CHECK SHEET

Date:	8/8/2007 API	Number: 009-21284
Company:	Baldwin Exploration Baldwin Lynch &	vergy Cop.
Well Name:	Baldwin Federal 12-15	
County:	Carbon	
Field:	Wildcat Carbon	
Surf. Location:	2290 FSL 814 FWL NW SW Lot: Sec:	15 Twp: 9 S Rng: 22 E
Permit I	Number: 25795 Drilling Fee):
Intentio	n to Drill: 8/8/2007 Expiration Date	e: 2/8/2008
Mineral	Ownership: □ Private □ State ▼ Federal	□ Indian
Well Ty	ype: Directional Multiple La	terals
Propose	ed Depth/Formation: MD: 8950 TVD: 8914	Morrison
Drilling	Unit Acres Description:	
Sample	s Required: Received:	
	COMPLETION INFORMATION	
Comple	tion Date: 6-8-08 TD: 8856	PBTD:
Comple	A.	
	Likota	A+B
Geologi	ical Well Report: 12-1-08 Mud Log: 12-1-68	
Sundry	Notices: Olg of Ope. 4-18-2011	
		pproved:
Electric	Logs: High Definition OR Caliper Comp Z. Densilog - CN-G	R/Minilog GR 1031.08
	Could May	
Miscella	aneous: Sirectional Survey 12-15-08	PLAINTIFFS' EXHIBIT
	0	P269

P-0018742

CHANGE OF OPERATOR RECORD

BALDWIN LYNCH ENERGY CORP 9S, 22E, Sec. 15: NWSW API #009-21284

To: Baldwin Lynch Energy Corp (Opr. #673, Bond #F1)

From: Baldwin Exploration Corporation

(Opr. #543, Bond #F1)

009-21284

Effective: 4/18/2011

ARM 36.22.307 ARM 36.22.1011 ARM 36.22.1013

F@MNo. 4 R8/00 **♦ LOCATE WELL CORRECTLY**

(SUBMIT IN TRIPLICATE)

DEC 1 5 2008

BOARD OF OIL AND GAS CONSERVATION

OF THE STATE OF MONTANA BOARD OF OIL

2535 ST. JOHNS AVENUE BILLINGS, MONTANA 59102 ARM 36.22.1414

COMPLETION REPORT

Company	В	Baldwin	Exploration	Corp		_ Lease	e	Baldwi	n Federal	Well No	12-15
Address 948	0 Double	Diamo	nd Parkway	Suite 210 F	Reno	NV 8952	21	Field (c	or Area)	(North Clark	(S Fork Avea)
The well is loo	cated	2290	ft. from _	S line a	and_	814		ft. from V	v ine of Sec	.15	
Sec. <u>15</u>	T. 9S	F	R. 22E	_ County		Ca	rbo	n	;Elevation	GL 4,124" F	KB 4,136
Write the API	# or the w	vell nar	me of anoth	er well on t	this l	ease if o	ne	exists	2	25-009-05109	
The informa of the well at the	tion given e above d	herewit late.	h is a comple	ete and corr	ect re			1	mmary on this p	page is for the	condition
Completed as	(oil	well gas	Oil s well, dry hole	chm injecti	on)	Sign	ed_	Kur 1	Balar		
API# 25 - <u>00</u>			- Ton, ary note	, obiii, iiijooti	011)	Title	Pre	sident			
Bottomhole Lo			7' FWL			Date	De De	ecember 3, 2	2008		
			(denote					POROSITY			
		to		ntier G&O			-	8725	to	8765 Lakota '	'B" G&O
		to		kota G&O					to		
110111	05	10	8725 Lako	ta "A" G&0					to		
-				(CASI	NG RE	COF	RD			
Size	Weigh		01-	-		12				Sack of	Cut And
Casing 8 5/8	Per Ft 24#		Grade J-55	Thread	+	Casing S	Set	From	То	cement	Pulled from
0 0/0	2-4"		0-00		+			Surface	923'	220 sks lite	
5.5"	15.5/17	7#	J&K-55		+			Surface	0.0551	305 Perm G	
			N-80		+		_	Surface	8,855'	975 sks lite 200 Perm G	
				7	TIRI	NG REC		D		200 Ferrii G	
		Size	Weight		ODI	I			T	İ	
	.	Tubing	Per Ft.	Grade		Thread	,	Amount	Perforations		
		2 7/8	6.5#	-		1111000	+	8599'	renorations		
				CON	/DI F	ETION F	DEC				
Rotary tools w	ere used	from		surfa		_110111	LC	to		8856	
Cable tools we								to		0000	
Total depth _	8856 MD	188207	Voft.; Plugg	ed back to			-		Open hole from	n	to
	PERF	ORATIO	ONS				ACI		T, SAND FRAC		
Inter	val		Number	and			erva		Amount o		
From	То		Size and	Туре	F	rom		То	Material Us	- 1	Pressure
8,705	8,730)	stim			n/a					
8,736	8,749		stim								
8,759	8,767		stim								
		L						/if D0	A about alves about		
				INI	ΓΙΑΙ	PRODU	ICT		A show plugs above	/e)	
Well is produc	ing from			Lakot					(pool) for	mation	
.Р	-		arrels of oil				houi	rs		owing	
									(Pumping o	or flowing)	
500 500 b	arrels of	of gas		24			nour		0/ ::: 5		
300	ancis Ul	water	hei	24		nours.	or	78	% W C		

DEC 1 5 2008

			d): Tubing_	500	psi	flowing;		50		BILLINGS
Gravit	ty	51		ected to 60°		nowing,	70	00	psi snut-ir	1
				Po	rosity	14	% Average Co	onnate water_	60	%
	of trap _									
Produ	icing med	chanism	Flowing							
				D	RILL ST	ЕМ ТЕ	STS			
D.S.T.			Tool Open							:
No.	From	То	(Min.)	Shut-in	F.P.	S.I.P.	Recovery	,	Cushion	
n/a										
							*			
_										
		CORES	S				LOG R	UNS		
No.	Interv	al	Recovere	d			Туре	From	То	
n/a		-			HDII	_		8828	surface	
					CN			8801	921	
					DGF			8852	921	
					ML	(Mini	log)	8852	921	

FORMATION RECORD (ELECTRIC LOG TOPS)

From	То	FORMATION	Top of Formation
surface	2,319	Fort Union	surface
2,320	3,269	Lance	2,320
3,270	3,519	Lennep	3,270
3,520	4,389	Bearpaw	3,520
4,390	5,024	Claggett	4,390
5,025	5,299	Eagle	5,025
5,300	5,379	Virgelle	5,300
5,380	5,509	Telegraph Creek	5,380
5,510	5,549	Colorado Group	5,510
5,550	7,129	Elk Basin	5,550
7,130	7,640	Frontier	7,130
7,650	8,569	Mowry	7,650
8,570	8,629	Cloverly	8,570
8,630	8,684	Dakota	8,630
8,685	8,724	Lakota "A"	8,685
8,725	8,765	Lakota "B"	8,725
8,766		Morrison	8,766
İ			-,
			1
			1
			009-21284

(Use additional sheets where needed to complete description)

1 004-21289

FORM NO. 22 R7/99	SUBMIT	IN QUADRUPLICATE		3.22.307 3.22.601	Lease Na	ame: Bald	lwin F	ederal
			CONSERVATION MONTANA 59		Lease Ty	pe (Private/S		ederal CEIVE
	Applica	ation for Permit	:		Well Nur	nber: 12-1	5	JAN 2 5 2008
To:	Drill X	Deepen	Re-enter		Unit Agre	eement Name	e: .	
	Oil X	Gas	Other		=:			MONTANA BOARD OF A GAS COME. BILLIN
Operator: Bald	dwin Exploration	ı Çerb			Field Nai	ne or Wildca	t: Wi	ldcat
Address 1017	7 Desert Jewel (Court			Objective	Formation(s		
City Reno	State Ne	vada ZI	P 89511		Section.	La Township, an	akota nd Ran	
Telephone Num								S, R22E
Surface: NW 2,290' FSL &	//4 SW/4 2,290' F 310" FWL	'SL & 814' FWL	d footage measure BHL: NW/4 SV	V/4	County:	Carbon		
Proposed total d	depth	Formation at total			L on (indicat	te GL or KB)		
8,950' TMD;	8,914' TVD	Mor	rison			4,124' (Grade	ed GL
Size and descrip	otion of drilling/spa	cing unit AP	I number of anothe	r well on	this lease			ipated spud date
¥ 240 T€	emp SU #108-20	07 Order	25-00	9-2106	70000			April 15, 2008
Hole size	Casing size	Weight/foot	Grade (API)	Depth		Sacks of Cen	nent	Type of Cement
12-1/4"	8-5/8"	24#	J-55	9	00"	505		Light & "G"
7-7/8''	5-1/2"	15.5 & 17#	J&K-55 & N-80	8,9	950"	345		Light & "G"
* Sec. 15 Sec. 16	or attach labeled dia	Request a 6 mon U C Daket 11	eventer equipment. I th extension to pr	eviousl	y approve	d permit	1 mav	be u sed whe n
Approved (date) By Title THIS PERMIT IS SUE	record purpose	Check No Permit E:	ee \$150°° umber 2817 xpires AUG - 8 2 umber 26388	c s T	ontained or signed (Age title Pres i	nthis application	n is tru	12
CONDITIONS OF API	PROVAL ICK NONE	API Number 25-	FROM	samples m	ust be wash e	feet to		repaid to:
			oard of Oil and Gas 0 2535 St. Johns Avenu Billings, MT 59102	ie	tion			

RECEIVED

SUPPLEMENTAL INFORMATION

JAN 2 5 2008

Note: Additional information or attachments may be required by Rule or by special request.

MONTANA BOARD OF OIL & GAS CONS. BALLINGS

- 1. Attach a survey plat certified by a registered surveyor. The survey plat must show the location of the well with reference to the nearest lines of an established public survey.
- 2. Attach an 8 1/2 x 11" photocopy of that portion of a topographic map showing the well location, the access route from county or other established roads, residences, and water wells within a 1/2 mile radius of the well.
- 3. Attach a sketch of the well site showing the dimensions and orientation of the site, the size and location of pits, topsoil stockpile, and the estimated cut/fill at the corners and centerstake. (Note: the diagram need not be done by an engineer or surveyor). Attach a sketch of a top view and two side views of the reserve pit(s), if utilized. The reserve pit sketch must show the length, width, depth, cut and fill, amount of freeboard, area of topsoil stockpile, and the height and width of berms.
- 4. Describe the type and amount of material or liner, if any, to be used to seal the reserve pit. If a synthetic liner is used, indicate the liner thickness (mils), bursting strength, tensile strength, tear strength, puncture resistance, hydrostatic resistance, or attach the manufacturer's specifications.
- 5. Describe the proposed plan for the treatment and/or the disposal of reserve pit fluids and solids after the well is drilled. If the operator intends to dispose of or treat the reserve pit contents off-site, specify the location and the method of waste treatment and disposal. (Note: The operator must comply with all applicable federal, state, county, and local laws and regulations with regard to the handling, transportation, treatment, and disposal of solid wastes.)

6.		s construction of the access road or location, or some other aspect of the drilling operation require additional ral, state, or local permits or authorizations? If yes, indicate the type of permit or authorization required:
		No additional permits needed
		Stream crossing permit (apply through county conservation district)
		Air quality permit (apply through Montana Department of Environmental Quality)
		Water discharge permit (apply through Montana Department of Environmental Quality)
		Water use permit (apply through Montana Department of Natural Resources and Conservation)
		Solid waste disposal permit (apply through Montana Department of Environmental Quality)
		State lands drilling authorization (apply through Montana Department of Natural Resources and Conservation)
	X	Federal drilling permit (specify agency) BLM
		Other federal, state, county, or local permit or authorization: (specify type)

NOTICES

- 1. Date and time of spudding must be reported to the Board verbally or in writing within 72 hours after the commencement of drilling operations.
- 2. The operator must give notice of drilling operations to the surface owner as required by Section 82-10-503, MCA, before the commencement of any surface activity.

B	JΑ	ΚD	US	E	ON	LY	

CONDITIONS OF APPROVAL

The operator must comply with the following condition(s) of approval:

WARNING: Failure to comply with conditions of approval may void this permit.

FORM NO. 22 R7/99	SUBMIT	IN QUADRUPLICAT		5.22.307 5.22.601	Lease Na	ame: Bald	win F	ederal
			S CONSERVATI		Lease Ty	/pe (Private/S		ederal):
2535 ST. J			S, MONTANA 59	102	Well Nur	Fede	eral	
		ation for Perm			, vvcii ivai	12-1	5	
		Deepen	Re-enter		Unit Agre	eement Name	e:	
		Gas	Other	. Ц	Field Na	me or Wildca	.	
Operator: Bald	win Exploration	1				ildeat	No	rth Clarks Fork
Address 1017	desert Jewel C	ourt			Objective	Formation(s	5	
City Reno	State NV		ZIP 89511		Section,	Township, an	akota id Ran	ge:
	per 775-852-558							S, R22E
	of Well (quarter- V/4 SW/4 [°] 2,29 0		and footage measure	ments)	County:	Carbon ·		
	SW/4 2,290' F							RECEIVE
(if directionally dr	illed, show both su	urface and bottor	n hole locations abov	e)				AUG - 6 200
Proposed total de 8,950' TMD;		Formation at to		Elevati	on (indica	te GL or KB)		BECAUTANIA DOLODIO
	*		orrison		124 Gel	4,123'	Grade	MONTANA BOARD O
	tion of drilling/spa	()YA. & V	PI number of anothe	r well on	this lease	e (if any)	Antic	ipated spud date
240 acre Temp	o. Spacing Unit	#108-2007	25-00	9-2106	70000			09/01/2007
Hole size	Casing size	Weight/foot	Grade (API)	Depth		Sacks of Cen	nent	Type of Cement
12-1/4"	8-5/8"	24#	J-55		000'	505		
						505		Light & "G"
77-7/8"	5-1/2"	15.5 & 17#	J&K-55 & N-80	8,	950'	345		Light & "G"
Describe Proposed Describe	Operations: or attach labeled di	agram of blowout	preventer equipment. I	ndicate if	air drilled o	or describe muc	l progr	
			BOP Diagram at	tached				
Planned N	/lud Program:	0-900' Fresh -5500' 84-8	Wtr/ Spud Mud 8. .6 ppg 28 - 32 sec	4 - 8.8 p	pg 28 -	50 sec visc l loss contro	No f	luid loss control
5,500	' - 8,950' LSND	to dispersed	8.8 - 9.1 ppg 34	- 45 sec	visc	10 cc or less	fluid	loss control
	Copy of Burea	u of Land Mana	gement APD with	Drilling	and Surfa	ice Use Plan	s atta	ched
V / (1)	147 010 11000							
BOARD USE O	MI V	Sec 16. EINE	NESE (Docket	119-07)				
	ALIO 0 0 000	17 Permit	Fee \$15000					hat the information
Accepted	for record purpo	Check	Number 2493 (France)	01		this application	n is tru	e and correct:
()	record Dur	Permit	Expires FEB - 8 20		Signed (Age	nt) Ed	1	lish
Title	Po	Ses Onto Permit	Number 25795		itle Cons	cultant	,	
				- '	THE OTHER	Juituit		
THIS PERMIT IS SUB- CONDITIONS OF APP STATED ON THE BAC	PROVAL	API Number 25	-009 21284		Date	8/03/2	200	7
			201 21801					
Samples Required:	NONE	ALL	FROM			feet to		feet
Core chips to address	ss below, full cores to U		ry, Arvada, CO. Required Board of Oil and Gas (ed, dried and del	ivered p	repaid to:
		omana	2535 St. Johns Avenu	ie				
			Billings, MT 59102					

SUPPLEMENTAL INFORMATION	
Note: Additional information or attachments may be required by Rule or by special request.	
 Attach a survey plat certified by a registered surveyor. The survey plat must show the location of the reference to the nearest lines of an established public survey. 	e well with
 Attach an 8¹/₂ x 11" photocopy of that portion of a topographic map showing the well location, the according to the restablished roads, residences, and water wells within a ¹/₂ mile radius of the well shows the restablished roads. 	cess route
3. Attach a sketch of the well site showing the dimensions and orientation of the site, the size and location of stockpile, and the estimated cut /fill at the corners and centerstake. (Note: the diagram need not be dengineer or surveyor.) Attach a sketch of a top view and two side views of the reserve pit(s), if utilized pit sketch must show the length, width, depth, cut and fill, amount of freeboard, area of topsoil stockpheight and width of berms.	done by an
 Describe the type and amount of material or liner, if any, to be used to seal the reserve pit. If a synthetic indicate the liner thickness (mils), bursting strength, tensile strength, tear strength, puncture resistance resistance, or attach the manufacturer's specifications. 	liner is used, e, hydrostatic
5. Describe the proposed plan for the treatment and/or disposal of reserve pit fluids and solids after the drilled. If the operator intends to dispose of or treat the reserve pit contents off-site, specify the location method of waste treatment and disposal. (Note: The operator must comply with all applicable federal, so and local laws and regulations with regard to the handling, transportation, treatment, and disposal of solids.)	on and the
Does construction of the access road or location, or some other aspect of the drilling operation require federal, state, or local permits or authorizations? If yes, indicate the type of permit or authorization re	re additional equired:
 No additional permits needed Stream crossing permit (apply through county conservation district) Air quality permit (apply through Montana Department of Environmental Quality) Water discharge permit (apply through Montana Department of Environmental Quality) Water use permit (apply through Montana Department of Natural Resources and Conservation) Solid waste disposal permit (apply through Montana Department of Environmental Quality) State lands drilling authorization (apply through Montana Department of Natural Resources and Conservation) Federal drilling permit (specify agency) Other federal, state, county, or local permit or authorization: (specify type) 	
NOTICES:	
 Date and time of spudding must be reported to the Board verbally or in writing within 72 hours after the commencement of drilling operations. 	ne
 The operator must give notice of drilling operations to the surface owner as required by Section 82-10- before the commencement of any surface activity. 	-503, MCA,
BOARD USE ONLY CONDITIONS OF APPROVAL	_
The operator must comply with the following condition(s) of approval:	
WARNING: Failure to comply with conditions of approval may void this permit.	



APPLICATION FOR PERMIT TO DRILL SUPPLEMENTAL INFORMATION

AUG - 6 2007

MONTANA BOARD OF OIL & GAS CONS. BILLINGS

Baldwin Federal #12-15 NW/4 SW/4 Section 15, T9S, R22E Carbon County, Montana

- 1. Survey Plat attached.
- 2. Topographic Map attached with access route. There are no residences or water wells located within a 1/2 mile radius of the well.
- 3. Well site drawing and cross sections attached.

 The reserve pit will be constructed as necessary to prevent the collection and accumulation of surface precipitation runoff into the pit. Water bars and diversion ditches will be constructed above the cut area and pit to divert runoff away from the pit. Also the appropriate placement of topsoil/subsoil stockpiles may be used. The reserve pit will be constructed with a minimum of one half (1/2) the total depth below the original ground level at the lowest point of the pit. Two feet of freeboard will be maintained.
- 4. If a liner is required, then the reserve pit will be lined with a pit liner that has a permeability less than 10⁻⁷ cm/sec and have a burst strength equal to or exceeding 300 pounds per square inch (psi) or puncture strength of 160 psi or greater and grab tensile strength of 150 psi or greater. The liner will be resistant to deterioration by hydrocarbons. The liner will not be installed directly on rock. Where necessary, pits will first receive a layer of bedding material (e.g., sand or geotextile fiber liner) sufficient to prevent contact between the liner and any exposed rock.
- 5. Drilling fluids, cuttings and produced water will be contained in the reserve pit (trash will be placed in the trash cage). Fluids in the reserve pit will be allowed to evaporate prior to pit burial.

 The reserve pit will be backfilled as soon as dry after drilling and completion operations are finished. Pit will be closed and reclaimed no later than October 1 of the year following drilling and completion activities. If natural evaporation of the reserve pit is not feasible, alternative methods of drying, removal of fluids, or other treatment may be utilized. If fluids will be disposed of by any method other than evaporation or hauling to a DEQ approved disposal pit, prior approval from the BLM Authorized Officer will be obtained.
- 6. Bureau of Land Management administered surface and minerals. Federal permit applied for.
- 7. Well is being drilled under Montana BOGC Order No. 108-2007 approved on April 12, 2007, establishing a Temporary Spacing Unit for the Lakota formation consisting of the W1/2NW1/4 and NW 1/4SW1/4 Section 15 and the E1/2NE1/4 and NE1/4SE1/4 Section 16, T9S, R22E, Carbon Co., Montana. The well must be no closer to the boundaries than 660 feet. At the Lakota "B" objective producing formation the well bore will be 970' from the south boundary and 980' from the east boundary of the spacing unit.

WELL LOCATION PLAT

Baldwin Exploration 1017 Desert Jewel Court, Reno NV 89511 Baldwin Federal Well #12-15

AUG - 6 2007

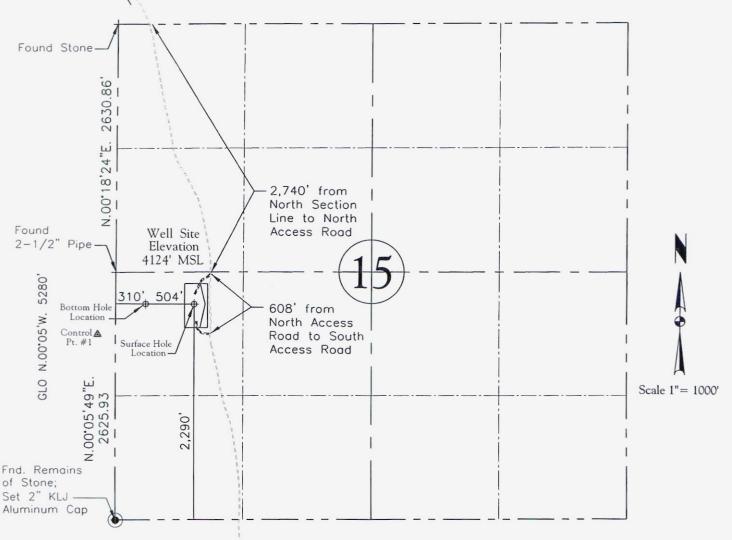
MONTANA BOARD OF THE & GAS CONS. BILLINGS

814 feet from West line and 2,290 feet from South line (surface location) Section 15, T. 9 S., R. 22 E., P.M.M.

Carbon County, Montana

7,326' from North Line of Section 15 to U.S. Highway 72

Surface owner @ well site - Bureau of Land Management Latitude 45°03'01" North; Longitude 109°01'23" West (derived from GPS Observation at Control Point # 1)



I, James D. Lehman, Professional Land Surveyor, do hereby certify that the survey plat shown hereon was made by me or under my direction from notes made in the field and the same is true and correct to the best of my knowledge and belief.

MT. Reg. No. 12448LS OF MONING JAMES D. LEHMAN

07/23/2007 Date

James D. Lehman Surveyed By

5/15/2007 Date

Vertical Control Datum Used Sea-Level Datum of 1929

1 of 3

Based on spot elevation at NW Corner of Section 15, T. 9 S., R. 22 E.,

being at 4106.0 MSL taken from Hollenbeck Draw Quadrangle

Drawing No.:

Project No. 2707100

2611 Gabel Road Billings MT 59102 Certificate of Authorization #C-061

Engineers, Surveyors and Planners

Registered in

North Dakota, South Dakota

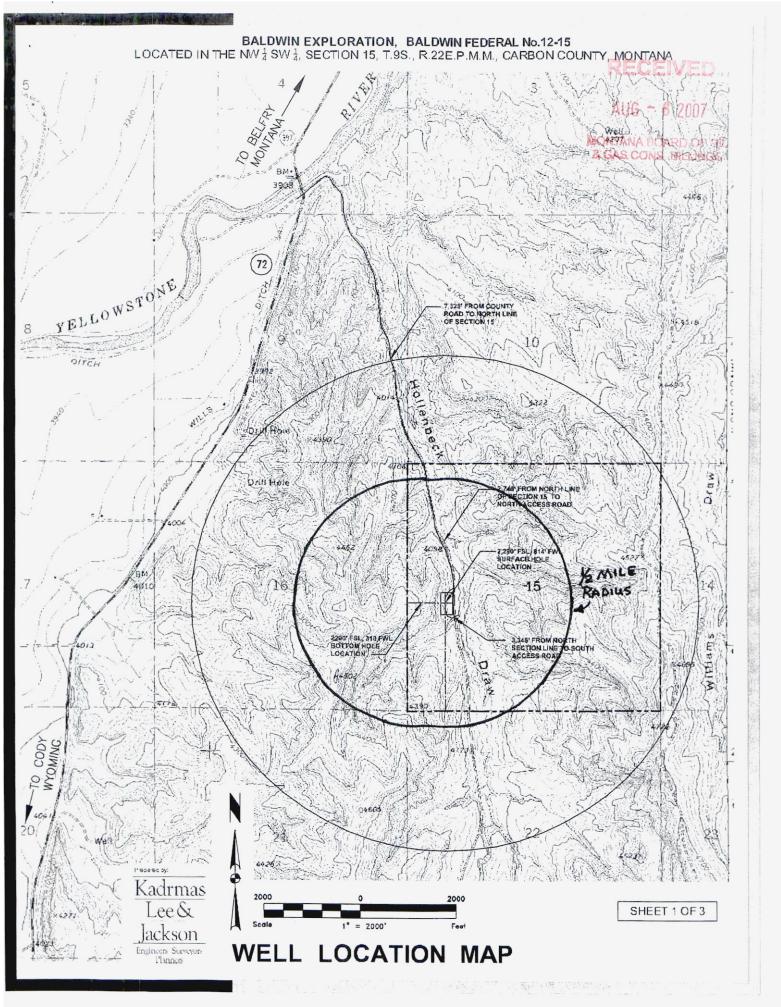
Montana, Wyoming & Minnesota Tele-Fax No. 406.294.5502

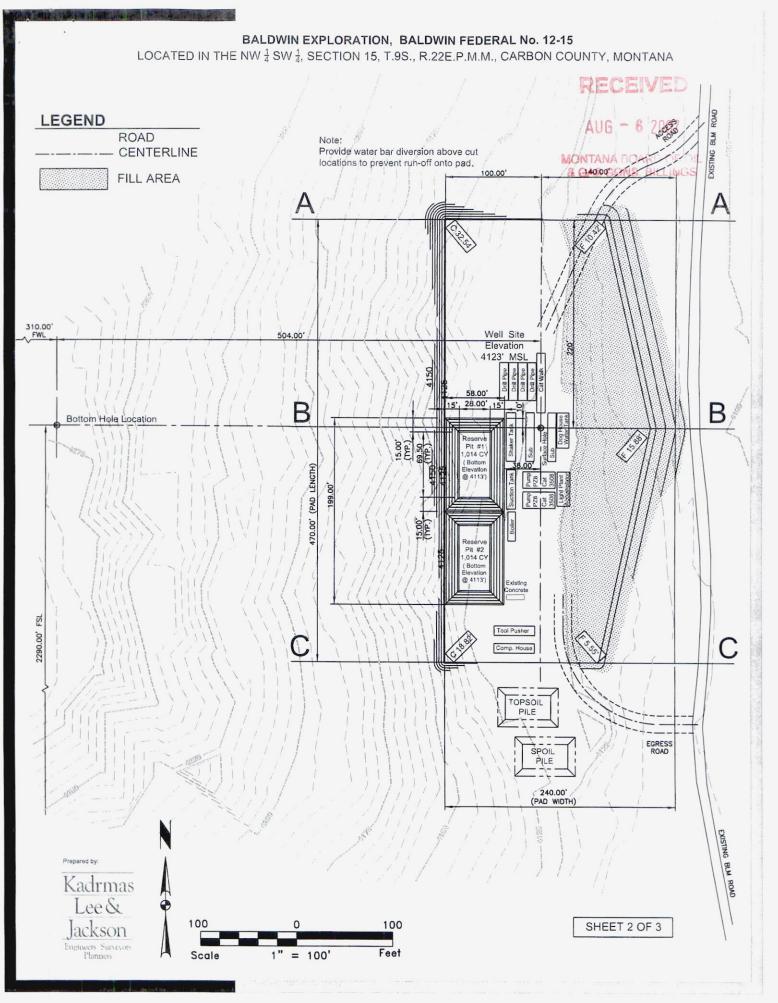
Bus. Phone No. 406.245.5499 P.O. Box 80303

Kadrmas Lee &

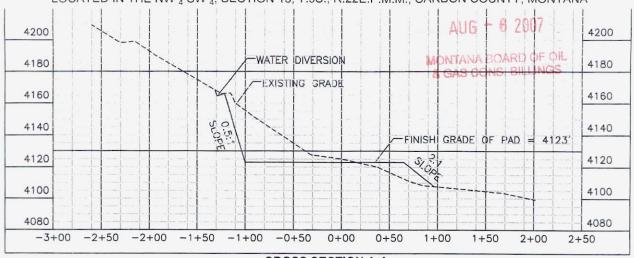
Engineers Surveyors Planners

© Kadrmas, Lee & Jackson, 2007

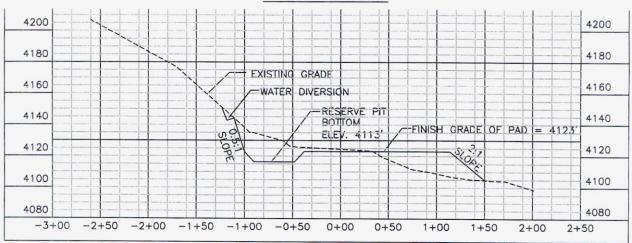




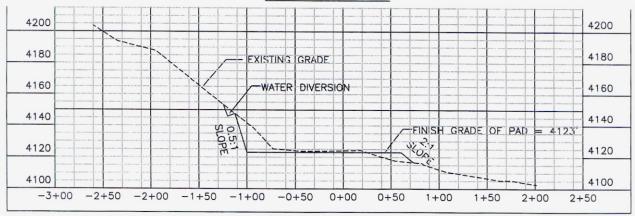
BALDWIN EXPLORATION, BALDWIN FEDERAL No. 12-15 VEL LOCATED IN THE NW 1/4 SW 1/4, SECTION 15, T.9S., R.22E.P.M.M., CARBON COUNTY, MONTANA



CROSS SECTION A-A



CROSS SECTION B-B



CROSS SECTION C-C

CROSS SECTION OF LAYDOWN DIRECTION AND RESERVE PIT HORIZONTAL SCALE: 1" = 100'; VERTICAL SCALE: 1" = 60'

Kadrmas Engineers Surveyors Planners

LOCATION: 2290' FSL, 814' FWL ELEVATION: 4124' ORIGINAL GRADE, 4123' FINISH GRADE ESTIMATE OF EARTHWORK:

TOTAL CUT = 15,251 CY (INCLUDING RESERVE PIT) TOTAL FILL = 11,736 CY X 1.2 = 14,083 CY

TOPSOIL = 1,016 CY

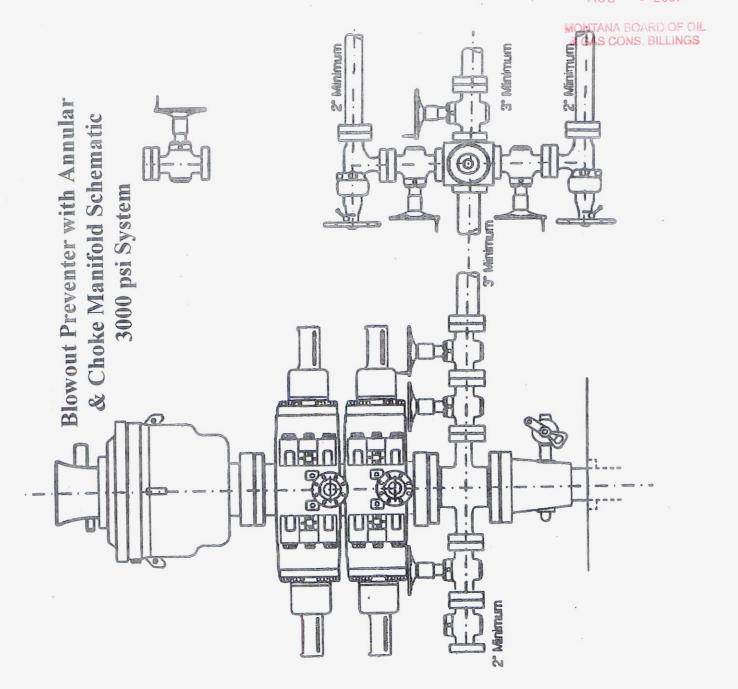
= 152 CY SPOIL

RESERVE PIT CAPACITY = 2030 CY PAD DISTURBANCE = 2.52 ACRES+ SHEET 3 OF 3

MAP TO ACCOMPANY PERMIT TO DRILL APPLICANT:

BALDWIN FEDERAL No. 12-15

AUG - 6 2007



Baldwin Federal #12-15 NW/4 SW/4 Sec. 15, T9S, R22E O&G Lease MTM-96325 Carbon Co., Montana

RECEIVED

AUG - 6 2007

MONTANA BOARD OF OIL & GAS CONS. BILLINGS

							Plann	ed We	llpath								& GAS CONS
						В	aldwin E	xplorat	ion #12-1	5							
leasured	Inclination	Astenuth	Course Length	Average Inclination	Course Vertical Depth	TVD	Course Departure	Average	N/S	E/W	Departure,	Dog Leg Severity,	Ft from SL	Ft from WL	Ft from	Ft from EL	
Depth 0	inchration 0	270	Lengor	incination	Depur	0	Departure	Azimuun	Coordinate, Pt	Coordinate, Ft	Ft	deg/100°	2290	814	2990	4466	Comments
4200	0.25	270	4200	0.13	4199.99	4199.99	9.16	270.00	0.00	-9.16	9.16	0.01	2290	814	2990	4466	
4300	0.5	270	100	0.38	100.00	4299 99	0.65	270.00	0.00	-9.82	9.82	0.25	2290	804	2990	4456	
4400	0.75	270	100	0.63	99.99	4399.98	1.09	270.00	0.00	-10.91	10.91	0.25	2290	803	2990	4455	
4500	1	270	100	0.88	99 99	4499.97	1.53	270.00	0.00	-12.44	12.44	0.25	2290	802	2990	4454	
4600	1.25	270	100	1.13	99.98	4599.95	1.96	270.00	0.00	-14.40	14.40	0.25	2290	800	2990	4452	
4700	1.5	270	100	1.38	99,97	4699 92	2.40	270.00	0.00	-16.80	16.80	0.25	2290	797	2990	4449	
4800	1.75	270	100	1.63	99.96	4799.88	2.84	270.00	0.00	-19.63	19.63	0.25	2290	794	2990	4445	
4900	2	270	100	1.88	99.95	4899.83	3.27	270.00	0.00	-22.91	22.91	0.25	2290	791	2990	4443	
5000	2.25	270	100	2.13	99.93	4999.76	3.71	270.00	0.00	-26.61	26.61	0.25	2290	787	2990	4439	
5100	2.5	270	100	2.38	99.91	5099.67	4.14	270.00	0.00	-30.76	30,76	0.25	2290	783	2990	4435	
5200	2.75	270	100	2.63	99.90	5199.57	4.58	270.00	0.00	-35.34	35.34	0.25	2290	779	2990	4431	
5300	3	270	100	2.88	99.87	5299.44	5.02	270.00	0.00	-40.35	40,35	0.25	2290	774	2990	4426	
5400	3.25	270	100	3.13	99.85	5399.29	5.45	270.00	0.00	-45.81	45.81	0.25	2290	768	2990	4420	
5500	3.5	270	100	3.38	99.83	5499.12	5.89	270.00	0.00	-51.69	51.69	0.25	2290	762	2990	4414	
5600	3,75	270	100	3.63	99.80	5598.92	6.32	270.00	0.00	-58.01	58.01	0.25	2290	756	2990	4408	
5700	4	270	100	3.88	99.77	5698.69	6.76	270.00	0.00	-64.77	64.77	0.25	2290	749	2990	4401	
5800	4.25	270	100	4.13	99.74	5798.43	7.19	270.00	0.00	-71.97	71.97	0.25	2290	742	2990	4394	
5900	4.5	270	100	4.38 4.63	99.71 99.67	5898.14 5997.82	7.63 8.06	270.00	0.00	-79.59 -87.66	79.59 87.66	0.25	2290 2290	734	2990 2990	4386 4378	
6000	4.75	270 270	100	4.63	99.64	6097.45	8.50	270.00 270.00	0.00	-87.66	96.16		2290	726 718	2990	4378	
6100 6200	5.25	270	100	5.13	99.60	6197.05	8.93	270.00	0.00	-105.09	105.09	0.25	2290	709	2990	43/0	
6300	5.5	270	100	5.13	99.56	6296.61	9.37	270.00	0.00	-114.46	114.46	0.25	2290	700	2990	4352	
6400	5.75	270	100	5.63	99.52	6396.13	9.80	270.00	0.00	-124.26	124.26	0.25	2290	690	2990	4342	
6500	6		100		99.47	6495.61	10.24	270.00	0.00	-134.49	134.49		2290	680	2990	4332	
6600	6.25	270	100	6.13	99.43	6595.04	10.67	270.00	0.00	-145.16	145,16	0.25	2290	669	2990	4321	
6700	6.5	270	100	6.38	99.38	6694.42	11.10	270.00	0.00	-156.27	156.27	0.25	2290	658	2990	4310	
6800	6.75	270	100	6.63	99.33	6793.75	11.54	270.00	0.00	-167.80	167.80	0.25	2290	646	2990	4298	
6900	7		100	6.88	99.28	6893.03	11.97	270.00	0.00	-179.77	179.77	0.25	2290	634	2990	4286	
7000	7.25	270	100	7.13	99.23	6992.26	12.40	270.00	0.00	-192.18	192.18	0.25	2290	622	2990	4274	
7100	7.5	270	100	7.38	99.17	7091.43	12.84	270.00	0.00	-205.01	205.01	0.25	2290	609	2990	4261	
7200	7.75	270	100	7.63	99.12	7190.55	13.27	270.00	0.00	-218 28	218.28	0.25	2290	596	2990	4248	
7300	8	270	100	7.88	99.06	7289.61	13.70	270.00	0.00	-231.98	231.98	0.25	2290	582	2990	4234	
7400	8.25		100	8.13	99.00	7388.60	14.13	270.00	0.00	-246.12	246.12	0.25	2290	568	2990	4220	
7500			100		98.93	7487.54	14.57	270.00	0.00	-260.68	260.68	0.25	2290	553	2990	4205	
7600	8.75		100	8,63	98.87	7586.40	15.00	270.00	0.00	-275.68	275.68	0.25	2290	538	2990	4190	
7700			100		98.80	7685.21	15.43	270.00	0.00	-291.11	291.11		2290	523	2990	4175	
7800	9.25		100		98.73	7783.94	15.86	270.00	0.00	-306.97	306.97	0.25	2290	507	2990	4159	
7900			100		98.66	7882.61	16.29	270.00		-323.26	323.26		2290 2290	491 474	2990	4143	
8000			100		98.59 98.52	7981.20 8079.72	16.72 17.15	270.00 270.00	0.00	-339.98 -357.13	339.98 357.13	0.25	2290	474	2990 2990	4126 4109	
8200	10.25		100		98.52	8178.16	17.15	270.00	0.00	-357.13	357.13	0.25	2290	439	2990	41091	
8300		_	100			8276.52		270.00			392.71		2290	421	2990	4091	
8400			100		98.29	8374.81	18.44	270.00	0.00				2290	403	2990	4055	
8500						8473.01		270.00						384	2990	4036	
8600						8571.13		270.00			449.31		2290	365	2990	4017	
8700						8669.17		270.00						345		3997	
8800			100			8767.12		270.00					2290	325	2990	3977	
8900						8864.98		270.00								3956	
9000						8962.75		270.00							2990	3935	
						-											



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MONTANA BOARD OF OIL & GAS OONS. BILLINGS

GEOLOGIC SUMMARY

The Baldwin Exploration Federal 12-15 was drilled as a grassroots directional well, targeting the Lakota and Lakota "B" porosity. The Federal 12-15 is located in the NW SW Section 15 T9S R22E Carbon County, MT. A secondary zone of interest included the Frontier zone. The Federal 12-15 was spudded April 21, 2008 and reached a total depth of 8,856 feet on May 11, 2008 twenty-one days from spud. This was a deviated wellbore with surface casing set at 923 ft. Wellsite geological services began at 2,200 feet in the lower Fort Union formation. Ten, Thirty, and Fifty foot lagged samples were caught and evaluated while drilling from 2,200 feet to total depth of 8,856 feet. All samples were washed, catalogued, and saved for archive. Pason total gas and Pason heavy gas were used to record gas in the wellbore.

2,320' MD -1,816' SS LANCE

The Lance formation was encountered at 2,320 feet with a slight drill break and a sample change from Shale to Sandstone with moderate Shale inclusions. Drill rates ranged from 0.5 min/ft to 3.5 min/ft with an average of 1.2 min/ft. Gas in the Lance ranged from 10 units to 40 units background gas with an average of 20 units. Samples were mostly Sandstone, light tan, translucent tan, light brown, light gray tan, off white, fine to medium grains, subrounded to subangular, moderate shale, clean, poor calcareous cementation, moderate gray to gray green shale, gritty, blocky, poor to no porosity, rare pinpoint dull gold fluorescence, no cut. The lower Lance was mostly Shale, light gray, gray green, blocky, silty, earthy, fissile, fair light tan to off white Sandstone, very fine grained, subrounded to subangular, clean, moderate calcareous cementation, poor to no porosity, slight pinpoint dull yellow fluorescence, no cut.

-871 SS LENNEP 3,265' MD

The Lennep formation was encountered at 3,265 feet MD with a speed up in drilling and samples changed from Sandstone to Shale. Drill rates in the Lennep ranged from 0.6 min/ft to 2.2 min/ft with an average of 0.9 min/ft. Gas ranged from 20 units to 51 units background gas with an average of 25 units. Samples in the Lennep were shale, light gray, gray green, gray brown, blocky, silty, earthy, fissile, fair to moderate light tan to off white Sandstone, very fine grained, subrounded to subangular, clean, moderate calcareous cementation, poor to no porosity, pinpoint dull yellow fluorescence, no cut.

-622 SS **BEARPAW** 3.514' MD

The Bearpaw formation was encountered at 3,514 feet MD with a drilling break. Drill rates in the Bearpaw ranged from .07 min/ft to 2.7 min/ft with an average of 1.1 min/ft. Gas ranged from 18 units to 88 units background gas with an average of 34 units. Samples in the Bearpaw were mostly Shale, Light gray, gray brown, gray green, light brown, blocky, silty, earthy, waxy, moderate light tan to off white Sandstone, very fine

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grained, subrounded to subangular, clean, moderate calcareous cementation, trace 4 GAS OOMS. BILLINGS undiseminated pyrite, poor to no porosity, rare pinpoint dull yellow fluorescence, no cut. They then became a Sandstone, Light tan, translucent tan, light brown, light gray tan, off white, fine to very fine grains, subrounded, fair calcareous cementation, moderately argillaceous, clean, poor calcareous cementation, moderate gray to gray green shale, gritty, blocky, poor to no porosity, rare pinpoint dull gold fluorescence, no cut.

CLAGGETT 4,399' MD -267 SS

The Claggett formation was encountered at 4,399 feet MD with a slight drill break and a transition from Shale to Sandstone. Drill rates in the Claggett ranged from 0.5 min/ft to 20.3 min/ft with an average of 2.16 min/ft. Gas ranged from 16 units to 105 units background gas with an average of 41 units. Samples in the Claggett were mostly Sandstone, light to medium gray brown, gray brown, medium gray, light tan, off white, fine grained, subangular to subrounded, fair calcite cementation, moderately sorted, trace pyritic, moderate gray to gray green, dark gray gritty to earthy shale, moderate lcm, fair intergranular porosity, rare dull yellow fluorescence, very faint streaming cut. While drilling in the Claggett the wellbore reached the kick off point of 4,460 feet MD, at this time they tripped out and adjusted the bent sub and pick up a new bit.

TELEGRAPH CREEK 5,380' MD -1,248 SS

The Telegraph Creek formation was encountered at 5,380 feet MD with slow down in drill rates and a sample change from Sandstone to Shale. Drill rates in the Telegraph Creek ranged from 0.6 min/ft to 16.2 min/ft with an average of 3.9 min/ft. Gas ranged from 23 units to 36 units with an average of 27 units. Samples in the Telegraph Creek were shale, light to medium gray, gray green, gray brown, sandy to silty, earthy to gritty, blocky to fissile, chalky edges in part, fair to moderate gray brown to brown sandstone, poor to no porosity, scattered dull yellow fluorescence, thin cloudy fair streaming cut.

ELK BASIN 5,552' MD -1,420 SS

The Elk Basin formation was encountered at 5,552 feet MD with a slight drill break. Drill rates in the Elk Basin ranged from 0.6 min/ft to 16.5 min/ft with an average of 1.9 min/ft. Gas ranged from 28 units to 106 units background gas with an average of 55 units. Samples in the Elk Basin were mostly shale, light to medium gray brown, gray brown, gray, gray green, sandy to silty, gritty, pyritic, blocky, chalky edges in part, moderate to abundant gray brown to brown sandstone, poor to no porosity, scattered dull vellow fluorescence, thin cloudy cut. While drilling in the Elk Basin the mud motor failed at 5,917 feet measured depth and it was decided to trip out of the hole to pick up a new mud motor.



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FRONTIER

7,130' MD -2,997 SS



The Frontier formation was encountered at 7,1130 feet MD with a drilling break and a transition from shale to sandstone. Drill rates in the Frontier ranged from 0.7 - 10.3 min/ft with an average of 2.0 min/ft. Gas ranged from 35 units to 180 units with an average of 51 units. Drilled ahead in Frontier experienced tight drilling at 7586' MD worked pipe and decision was made to trip for bit. While drilling in the lower Frontier gas reached a peak of 180 units approximately 4 times background gas and samples had fair to good porosity with an instant good cloudy fair streaming cut, there was approximately six foot of porosity in the lower Frontier.

MOWRY

7,651' MD -3,519 SS

The Mowry formation was encountered at 7,651 feet MD with a slight drill break. Drill rates in the Mowry ranged from 0.6 min/ft to 5.9 min/ft with an average of 1.9 min/ft. Gas ranged from 26 units to 78 units with an average of 39 units. Samples in the Mowry were SHALE: Medium to dark gray brown, dark brown, gray brown, black, sandy to silty, gritty, fissile to splintery, platy in part, fair to moderate bentonite, moderate to abundant light brown, light gray brown sandstone, moderate black asphaltic lcm, poor to no porosity, scattered dull cream fluorescence, weak cloudy cut.

CLOVERLY 8,592' MD -4,456 SS

The Cloverly formation was encountered at 8,592 feet MD with a drill break and a transition from shale to sandstone. Drill rates ranged from 1.4 min/ft to 3.9 min/ft with an average of 2.4 min/ft. Gas ranged from 26 units to 43 units background gas with an average of 29 units. Samples in the Cloverly were SANDSTONE: Light gray, gray brown, gray tan, off white, very fine to fine grained, sub angular to sub rounded, moderately well sorted, slightly platy, slightly calcareous cementation, somewhat clean, fair to moderate gray brown fissile to splintery shale, trace pyrite, poor to no porosity, spotty dull yellow fluorescence, thin cloudy slow streaming cut.

DAKOTA 8,659' MD -4,523 SS

The Dakota formation was encountered at 8,659 feet MD with a drill break and a transition from sandstone to shale. Drill rates ranged from 1.5 min/ft to 7.5 min/ft with an average of 3.7 min/ft. Gas ranged from 31 units to 100 units background gas with an average of 41 units. Samples in the Dakota were sandstone that transitioned into SHALE: Reddish brown, orange, light to medium gray brown, fissile, splintery in part, sandy to gritty, earthy in part, fair bentonite, fair off white to light gray brown sandstone, trace pyrite, poor to no porosity, spotty dull yellow gold fluorescence, instant fair cloudy cut.

LAKOTA 8,701' MD -4,565 SS

The Lakota formation was encounterd at 8,701 feet MD with a drill break and a transition from shale to sandstone. Drill rates ranged from 1.7 to 6.8 min/ft with an

average of 2.3 min/ft. Gas ranged from 51 units to 251 units background gas with an average of 161 units. Samples in the Lakota were SANDSTONE: Off white, translucent, translucent tan, light gray brown, fine to very fine grained, sub rounded to sub angular, poor to moderate sorting, clean, abundant unconsolidated quartz grains, trace pyrite, fair to moderate gray brown fissile shale, poor to fair porosity, even scattered dull cream spotty yellow gold fluorescence, instant fair cloudy fair streaming milky yellow cut. While drilling in the Lakota the formation had approximately 20 feet of porosity with gas peak of 251 units approximately 5 times background gas, and instant fair cloudy fair streaming milky yellow cut.

LAKOTA "B" 8,753' MD -4617 SS

The Lakota "B" formation was encountered at 8,753 feet MD with a slight drill break. Drill rates ranged from 1.1 min/ft to 4.5 min/ft with an average of 2.6 min/ft. Gas ranged from 61 units to 255 units background gas with an average of 150 units. Samples in the Lakota "B" were SANDSTONE: Off white, translucent, translucent tan, light gray brown, fine to very fine grained, sub rounded to sub angular, poor to moderate sorting, clean, abundant unconsolidated quartz grains, trace pyrite, fair to moderate gray brown fissile shale, poor to fair porosity, even scattered dull cream spotty yellow gold fluorescence, instant fair cloudy fair streaming milky yellow cut. While drilling in the Lakota "B" formation had approximately 15 feet of porosity with a gas peak of 255 units approximately 5 time background gas.

MORRISON 8,789' MD -4,653 SS

The Morrison formation was encountered at 8,789 feet MD with a slow down in drilling and a transition to Shale. Drill rates ranged from 3.3 min/ft to 28 min/ft with an average of 11 min/ft. Gas ranged from 36 units to 96 units background gas with an average of 42 units. Samples in the Morrison were SHALE: Reddish purple, light to medium gray, dark brown, gray brown, cream, cream tan, splintery to fissile, gritty to sandy, pyritic, chalky edges in pat, fair to moderate off white to light gray brown sandstone, poor to no porosity, spotty cream fluorescence, thin cloudy slow streaming cut.

Conclusion

The Baldwin Exploration Federal 12-15 reached a total depth of 8,856 feet on May 11, 2008 twenty-one days from spud. Electric logs were successfully run, and were witnessed by Neset Consulting mudlogger and Baldwin Exploration personnel. Five and a half inch casing was run to total depth and the Federal 12-15 is currently awaiting completion.

Clu Picard

Company: Cor

Baldwin Exploration

Carbon County, MT

Project: Site:

NWSW Sec 15-T9S-R22E

Well:

Baldwin Federal 12-15

Wellbore: Design:

DD

Local Co-ordinate Reference:

Survey Calculation Method:

TVD Reference: MD Reference: North Reference:

Database:

Well Baldwin Federal 12-15

B Fed 12-15 KBE @ 4139.0ft (Original Well Elev) B Fed 12-15 KBE @ 4139.0ft (Original Well Elev)

True

Minimum Curvature

EDM 2003.21 US Multi User DB

Project

Carbon County, MT

Map System: Geo Datum:

US State Plane 1983

North American Datum 1983

System Datum:

Mean Sea Level

Map Zone:

Montana

Site

NWSW Sec 15-T9S-R22E

Site Position:

Well Position

From

Position Uncertainty:

Lat/Long

Northing: Easting: Slot Radius:

292,211.34 ft 2,091,765.07 ft

Latitude:

Longitude: Grid Convergence: 45.050278

-109.023056 0.35°

Well

Baldwin Federal 12-15

+N/-S +E/-W 0.0 ft

Northing:

292,211.34 ft

Latitude:

45.050278

Position Uncertainty

0.0 ft 0.0 ft

0.0 ft

Easting: Wellhead Elevation: 2,091,765.07 ft ft

Longitude: Ground Level: -109.023056 4,124.0 ft

Wellbore

DD

Magnetics

Model Name

Sample Date

Declination (°)

Dip Angle (°)

Field Strength

(nT)

IGRF200510

9/17/2007

12.15

70.11

55,355

Design

DD

Audit Notes: Version:

1.0

Phase:

ACTUAL

Tie On Depth:

Depth From (TVD)

+N/-S (ft) 0.0

+E/-W (ft) 0.0

0.0 Direction

(°)

270.00

Vertical Section:

Survey Program

From

(ft)

То

(ft)

0.0

(ft)

Date 6/16/2008

Survey (Wellbore)

Tool Name

Description

964.0

8,856.0 Survey #1 (DD)

Geolink MWD

Geolink MWD

Survey

Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Formations / Comments
0.0	0.00	0.00	0.0	0.0	0.0	0.0	0.00	0.00	
964.0	0.70	176.10	964.0	-5.9	0.4	-0.4	0.00	0.00	
1,028.0	1.30	197.40	1,028.0	-7.0	0.2	-0.2	1.09	0.07	
1,092.0	1.30	201.60	1,091.9	-8.3	-0.3	0.3	0.15	0.00	
1,156.0	1.70	200.90	1,155.9	-9.9	-0.9	0.9	0.63	0.62	
1,218.0	1.70	174.60	1,217.9	-11.7	-1.1	1.1	1.25	0.00	
1,282.0	1.70	176.10	1,281.9	-13.6	-1.0	1.0	0.07	0.00	
1,346.0	2.30	191.10	1,345.8	-15.8	-1.2	1.2	1.24	0.94	
1,409.0	2.00	176.70	1,408.8	-18.1	-1.3	1.3	0.98	-0.48	
1,472.0	1.90	178.30	1,471.8	-20.2	-1.2	1.2	0.18	-0.46	
1,535.0	2.00	175.90	1,534.7	-22.4	-1.1	1.1	0.20	0.16	MO
1,599.0	2.30	183.00	1,598.7	-24.8	-1.1	1.1	0.63	0.47	
1,662.0	2.60	164.40	1,661.6	-27.4	-0.8	0.8	1.34	0.48	& (

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MONTANA BOARD OF OIL & GAS CONS. BILLINGS

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Page 1

COMPASS 2003.21 Build 37

Company: Project:

Baldwin Exploration Carbon County, MT

Site: Well: NWSW Sec 15-T9S-R22E Baldwin Federal 12-15

Wellbore:

DD

Design:

DD

Local Co-ordinate Reference: 🦡

TVD Reference: MD Reference:

North Reference: Survey Calculation Method:

Database:

Well Baldwin Federal 12-15

B Fed 12-15 KBE @ 4139.0ft (Original Well Elev) B Fed 12-15 KBE @ 4139.0ft (Original Well Elev)

True

Minimum Curvature

EDM 2003.21 US Multi User DB

y									
Measured Depth	Inclination	Azimuth	Vertical Depth	+N/-S	+E/-W	Vertical Section	Dogleg Rate	Build Rate	Formations / Comments
(ft)	(°)	(°)	(ft)	(ft)	(ft)	(ft)	(°/100ft)	(°/100ft)	Confinents
1 602 0			1 000 0						
1,693.0 1,756.0	2.70 2.70	179.00	1,692.6	-28.8	-0.6	0.6	2.20	0.32	
	2.70	165.30	1,755.5	-31.7	-0.2	0.2	1.02	0.00	
1,819.0	2.40	180.10	1,818.5	-34.5	0.2	-0.2	1.14	-0.48	
1,883.0	2.30	173.00	1,882.4	-37.1	0.3	-0.3	0.48	-0.16	
1,946.0	2.90	168.50	1,945.3	-39.9	8.0	-0.8	1.01	0.95	
2,010.0	2.30	173.90	2,009.3	-42.8	1.3	-1.3	1.01	-0.94	
2,074.0	2.70	163.80	2,073.2	-45.5	1.8	-1.8	0.93	0.62	
2,137.0	2.90	166.20	2,136.1	-48.5	2.6	-2.6	0.37	0.32	
2,201.0	2.50	176.00	2,200.1	-51.5	3.1	-3.1	0.95	-0.62	
2,263.0	2.50	164.00	2,262.0	-54.1	3.6	-3.6	0.84	0.00	
2,326.0	2.30	176.80	2,324.9	-56.7	4.0	-4.0	0.91	-0.32	
2,390.0	2.20	175.30	2,388.9	-59.2	4.2	-4.2	0.18	-0.16	
2,452.0	2.80	169.20	2,450.8	-61.9	4.6	-4.6	1.06	0.97	
2,516.0	2.60	178.40	2,514.8	-64.9	4.9	-4.9	0.74	-0.31	
2,579.0	2.40	180.20	2,577.7	-67.6	4.9	-4.9	0.34	-0.32	
2,642.0	2.80	172.80	2,640.6	-70.4	5.1	-5.1	0.83	0.63	
2,706.0	2.40	172.40	2,704.6	-73.3	5.5	-5.5	0.63	-0.62	
2,802.0	2.70	167.70	2,800.5	-77.5	6.2				
2,897.0	2.10	176.10	2,800.5	-81.4	6.8	-6.2 -6.8	0.38	0.31	
2,992.0	2.60	173.20	2,990.3	-85.3	7.2	-6.8 -7.2	0.73 0.54	-0.63 0.53	
3,086.0	2.30	170.30	3,084.2	-89.3	7.8	-7.8	0.35	-0.32	
3,182.0	2.20	177.00	3,180.2	-93.0	8.2	-8.2	0.33	-0.32	
3,277.0	2.50	172.80							
3,372.0	2.30	172.80	3,275.1 3,370.0	-96.9 -100.9	8.6	-8.6	0.36	0.32	
3,467.0	2.20	189.90	3,464.9	-100.9	9.1 9.0	-9.1	0.21	-0.21	
3,561.0	2.30	190.90	3,558.9	-104.3	8.4	-9.0 -8.4	0.74 0.11	-0.11	
3,655.0	2.70	194.40	3,652.8	-112.2	7.5	-0.4 -7.5	0.11	0.11 0.43	
3,750.0									
3,750.0	2.40 2.90	184.80	3,747.7	-116.3	6.7	-6.7	0.55	-0.32	
3,939.0	2.60	188.00 196.60	3,841.6 3,936.5	-120.6	6.2	-6.2	0.55	0.53	
4,034.0	2.40	197.00	4,031.4	-125.1 -129.0	5.3	-5.3	0.54	-0.32	
4,128.0	2.80	200.40	4,125.3	-129.0	4.1 2.7	-4.1 -2.7	0.21 0.46	-0.21	
								0.43	
4,224.0 4,318.0	2.80	202.20	4,221.2	-137.5	1.0	-1.0	0.09	0.00	
	3.00	203.10	4,315.0	-141.8	-0.8	0.8	0.22	0.21	
4,413.0 4,445.0	3.30 3.30	198.80	4,409.9	-146.7	-2.7	2.7	0.40	0.32	
4,445.0	2.90	203.00 200.80	4,441.8	-148.4	-3.3	3.3	0.76	0.00	
			4,473.8	-150.0	-4.0	4.0	1.30	-1.25	
4,509.0	2.90	210.50	4,505.8	-151.5	-4.7	4.7	1.53	0.00	
4,539.0	3.30	218.20	4,535.7	-152.8	-5.6	5.6	1.92	1.33	
4,571.0	3.50	219.30	4,567.7	-154.3	-6.8	6.8	0.66	0.62	
4,602.0	3.20	219.30	4,598.6	-155.7	-7.9	7.9	0.97	-0.97	
4,635.0	. 3.30	224.20	4,631.5	-157.1	-9.2	9.2	0.89	0.30	
4,664.0	3.40	229.00	4,660.5	-158.3	-10.4	10.4	1.03	0.34	
4,696.0	3.20	224.90	4,692.4	-159.5	-11.7	11.7	0.97	-0.62	
4,728.0	3.30	215.30	4,724.4	-160.9	-12.9	12.9	1.73	0.31	RECEIVE
4,760.0	3.20	219.20	4,756.3	-162.3	-14.0	14.0	0.76	-0.31	
4,792.0	3.30	216.10	4,788.3	-163.8	-15.1	15.1	0.63	0.31	
4,824.0	4.20	219.60	4,820.2	-165.4	-16.4	16.4	2.90	2.81	DEC 1 5 2008
4,856.0	4.80	223.10	4,852.1	-167.3	-18.1	18.1	2.06	1.87	
4,887.0	5.80	229.70	4,883.0	-169.3	-20.1	20.1	3.77	3.23	MONTANA BOARD OF
4,919.0	6.40	236.70	4,914.8	-171.3	-22.9	22.9	2.98	1.87	& GAS CONS. BILLI
4,951.0	6.40	231.10	4,946.6	-173.4	-25.7	25.7	1.95	0.00	a and oord. Dilli

6/16/2008 1:12:41PM

4,983.0

5.80

232.50

4,978.4

-175.5

Page 2

28.4

1.93

-1.87

-28.4

COMPASS 2003.21 Build 37

Company: Project:

Baldwin Exploration Carbon County, MT

Site: Well:

NWSW Sec 15-T9S-R22E Baldwin Federal 12-15

Wellbore: Design:

DD DD

Local Co-ordinate Reference:

TVD Reference: MD Reference:

North Reference:

Survey Calculation Method:

Database:

Well Baldwin Federal 12-15

B Fed 12-15 KBE @ 4139.0ft (Original Well Elev) B Fed 12-15 KBE @ 4139.0ft (Original Well Elev)

Minimum Curvature

EDM 2003.21 US Multi User DB

irvey			*						003.21 US Multi User DB
Measured Depth (ft)	Inclination		Vertical Depth	+N/-S	+E/-W	Vertical Section	Dogleg		Formations /
(11)	(°)	(°)	(ft)	(ft)	(ft)		Rate	Rate	Comments
5,014.0	6.00	205.00			(11)	(ft)	(°/100ft	(°/100ft)	
5,046.0			-1000.0		-30.8	30.8	2.24		
5,077.0	5.80		-,-,,,,,		-33.2		2.31	0.65	
5,108.0	6.20			-181.9	-35.7	33.2	0.90	-0.62	
5,108.0	7.10	241.90	5,102.7	-183.9	-38.7	35.7	1.66	1.29	
5,140.0	7.50	245.80			-30.7	38.7	5.02	2.90	
5,171.0	7.70	- 10.00	-1.01.0	-185.7	-42.3	42.3	1.99	4.05	
5,203.0		0.00	0,.00.2	-187.3	-46.1	46.1		1.25	
5,234.0	8.20	254.00		-188.7	-50.3	50.3	1.14	0.65	
5,267.0	8.70	252.20	-,	-190.1	-54.6	54.6	3.03	1.56	
0,207.0	8.40	252.70	5,260.2	-191.5	-59.3		1.82	1.61	
5,299.0	8.40	255.40	E 201 0		00.0	59.3	0.94	-0.91	
5,330.0	8.50	260.80	5,291.8	-192.8	-63.8	63.8	1.23	0.00	
5,362.0	8.30	257.80	5,322.5	-193.8	-68.3	68.3	2.58		
5,394.0	8.00		5,354.2	-194.6	-72.8	72.8	1.51	0.32	
5,426.0		258.10	5,385.8	-195.6	-77.3	77.3		-0.62	
	8.30	260.10	5,417.5	-196.4	-81.7		0.95	-0.94	
5,457.0	7.50	257.40	5,448.2			81.7	1.29	0.94	
5,489.0	7.60	265.60		-197.2	-85.9	85.9	2.84	-2.58	
5,521.0	8.00	275.20	5,479.9	-197.9	-90.1	90.1	3.38		
5,553.0	8.10		5,511.6	-197.8	-94.4	94.4	4.25	0.31	
5,585.0	7.60	278.30	5,543.3	-197.3	-98.8	98.8		1.25	
	7.00	290.40	5,575.0	-196.2	-103.1	103.1	1.39	0.31	
5,617.0	7.40	290.30	5,606.7	104.0			5.38	-1.56	
5,648.0	7.10	287.20	5,637.5	-194.8	-107.0	107.0	0.63	-0.63	
5,680.0	6.70	285.90		-193.5	-110.7	110.7	1.59	-0.97	
5,712.0	7.20	286.20	5,669.3	-192.4	-114.4	114.4	1.34		
5,742.0	6.80		5,701.0	-191.4	-118.1	118.1	1.57	-1.25	
	0.00	282.70	5,730.8	-190.4	-121.6	121.6		1.56	
5,774.0	6.40	282.00	5,762.6	100 7		121.0	1.95	-1.33	
5,805.0	6.30	281.30	5,793.4	-189.7	-125.2	125.2	1.28	-1.25	
5,837.0	6.80	286.50		-189.0	-128.6	128.6	0.41	-0.32	
5,868.0	6.70	282.70	5,825.2	-188.1	-132.1	132.1	2.42		
5,884.0	6.40	278.20	5,856.0	-187.2	-135.6	135.6	1.48	1.56	
5040-		270.20	5,871.9	-186.8	-137.4	137.4	3.71	-0.32	
5,916.0	6.20	271.90	5,903.7	-186.5			3.71	-1.88	
5,948.0	7.40	280.60	5,935.5		-140.9	140.9	2.25	-0.63	
5,979.0	7.70	277.60	5,966.2	-186.1	-144.7	144.7	4.93	3.75	
6,011.0	7.40	278.50	5,997.9	-185.4	-148.7	148.7	1.60	0.97	
6,043.0	7.20	277.00		-184.9	-152.8	152.8	1.01		
0.075.0		277.00	6,029.6	-184.3	-156.9	156.9	0.86	-0.94	
6,075.0	7.10	273.90	6,061.4	-183.9			0.00	-0.63	
6,107.0	7.00	272.50	6,093.2		-160.8	160.8	1.24	-0.31	
6,139.0	7.40	269.60	6,124.9	-183.7	-164.8	164.8	0.62	-0.31	
6,170.0	8.50	271.30	6,155.6	-183.6	-168.8	168.8	1.69	1.25	
6,202.0	9.10	272.60		-183.6	-173.1	173.1	3.63		
6 222 0		212.00	6,187.2	-183.4	-177.9	177.9	1.98	3.55	
6,233.0	8.90	272.60	6,217.9	-183.2	100.0		1.30	1.87	
6,265.0	8.90	273.90	6,249.5		-182.8	182.8	0.65	-0.65	
6,296.0	8.20	276.10	6,280.1	-182.9	-187.7	187.7	0.63	0.00	
6,328.0	7.80	279.20	6,311.8	-182.5	-192.3	192.3	2.49	-2.26	
6,360.0	8.00	280.20		-181.9	-196.7	196.7	1.84	-1.25	
6,392.0			6,343.5	-181.2	-201.1	201.1	0.76	0.62	
	7.70	276.20	6,375.2	-180.6	-205.4			0.02	DECETVE
6,423.0	7.90	276.40	6,405.9	-180.1		205.4	1.95	-0.94	RECEIVE
6,455.0	7.30	272.30	6,437.6	-179.8	-209.6	209.6	0.65	0.65	
6,488.0	7.40	267.20	6,470.4		-213.8	213.8	2.53	-1.87	
6,520.0	8.00	270.00	6,502.1	-179.8	-218.0	218.0	2.00	0.30	DEC 1 5 2008
6,551.0				-179.9	-222.3	222.3	2.21	1.87	DEC 1 0 2000
	8.70	272.20	6,532.8	-179.8	-226.8			1.07	
6,582.0	8.50	275.50	6,563.4	-179.5		226.8	2.48	2.26	MONTANA BOARD OF
3,612.0	8.50	272.40	6,593.1	-179.2	-231.4	231.4	1.72	-0.65	& GAS CONS. BILLIN
6,643.0	8.40	270.40	6,623.7		-235.8	235.8	1.53	0.00	STATE OF THE STATE
			,020.7	-179.1	-240.4	240.4	1.00	-0.32	

Company:

Baldwin Exploration

Project: Site: Carbon County, MT NWSW Sec 15-T9S-R22E Baldwin Federal 12-15

Well: Wellbore: Design:

DD DD Local Co-ordinate Reference: 🤝

TVD Reference: MD Reference: North Reference:

Survey Calculation Method:

Database:

Well Baldwin Federal 12-15

B Fed 12-15 KBE @ 4139.0ft (Original Well Elev) B Fed 12-15 KBE @ 4139.0ft (Original Well Elev)

True

Minimum Curvature

EDM 2003.21 US Multi User DB

Survey									
Measure Depth (ft)		Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Formations / Comments
6,674	.0 8.20	270.20	6,654.4	-179.1	-244.9	244.9	0.65	-0.65	
6,706 6,738 6,770 6,801 6,833 6,929 7,022 7,115	.0 9.60 .0 9.60 .0 9.50 .0 9.50 .0 8.20 .0 10.20	274.80 279.50 282.20 281.70 280.80 274.90 284.80 283.90	6,686.1 6,717.7 6,749.2 6,779.8 6,811.3 6,906.2 6,998.0 7,089.6	-178.8 -178.2 -177.2 -176.1 -175.1 -173.0 -170.4 -166.4	-249.6 -254.7 -260.0 -265.0 -270.2 -284.8 -299.3 -314.8	249.6 254.7 260.0 265.0 270.2 284.8 299.3 314.8	3.06 3.22 1.41 0.42 0.46 1.65 2.74 0.67	2.19 2.19 0.00 -0.32 0.00 -1.35 2.15 -0.65	
7,209 7,303	.0 9.30	282.80 278.10	7,182.3 7,275.2	-162.8 -160.1	-329.8 -344.3	329.8 344.3	0.37 1.01	-0.32 -0.64	
7,397 7,490 7,586 7,662 7,756	.0 7.90 .0 7.90 .0 7.30	274.10 272.00 272.00 270.60 261.90	7,368.2 7,460.3 7,555.3 7,630.7 7,724.0	-158.7 -158.0 -157.5 -157.3 -158.0	-357.9 -370.9 -384.0 -394.1 -405.4	357.9 370.9 384.0 394.1 405.4	0.89 0.38 0.00 0.83 1.34	-0.64 -0.22 0.00 -0.79 -0.74	RECEIVED
7,847 7,939 8,032 8,125 8,218	.0 5.20 .0 5.10 .0 4.50	257.70 259.40 243.20 236.30 232.90	7,814.5 7,906.1 7,998.7 8,091.4 8,184.1	-159.7 -161.4 -164.0 -167.9 -172.1	-414.9 -423.3 -431.1 -437.8 -443.7	414.9 423.3 431.1 437.8 443.7	1.30 0.37 1.56 0.89 0.30	-1.21 -0.33 -0.11 -0.65 -0.11	DEC 1 5 2008 MONTANA BOARD OF OR & GAS CONS. BILLINGS
8,311 8,404 8,543 8,637 8,810	.0 4.00 .0 3.90 .0 3.80	230.60 225.80 224.10 226.90 227.50	8,276.8 8,369.6 8,508.3 8,602.0 8,774.6	-176.5 -181.0 -187.8 -192.2 -200.2	-449.3 -454.4 -461.1 -465.6 -474.3	449.3 454.4 461.1 465.6 474.3	0.19 0.57 0.11 0.23 0.12	0.00 -0.43 -0.07 -0.11 0.12	Last Survey @ 8810' MD
8,856	.0 4.00	227.50	8,820.5	-202.4	-476.6	476.6	0.00	0.00	Projection to TD @ 8856' MD

Targets									
Target Name - hit/miss target - Shape	Dip Angle (°)	Dip Dir. (°)	TVD (ft)	+N/-S (ft)	+E/-W (ft)	Northing (ft)	Easting (ft)	Latitude	Longitude
Baldwin Fed 12-15 BHL	0.00	0.00	8,914.0	0.0	-504.0	292,208.27	2.091,261.08	45.050278	-109.02500
 survey misses targ Circle (radius 50.0) 		24.6ft at 8856	6.0ft MD (88	20.5 TVD, -20	2.4 N, -476.6	E)	-13.5.11-5.113-5	101000210	100.02000

Survey Annota	ations					
	Measured	Vertical	Local Coord	dinates		
	Depth	Depth	+N/-S	+E/-W		
	(ft)	(ft)	(ft)	(ft)	Comment	
	-8,810.0	8,774.6	-200.2	-474.3	Last Survey @ 8810' MD	
	8,856.0	8,820.5	-202.4	-476.6	Projection to TD @ 8856' MD	

Checked By:	Approved By:	Date:	
· · · · · · · · · · · · · · · · · · ·			

RECEIVED

APR 2 2 2008

MONTANA BOARD OF OIL & GAS CONS. BYLLINGS

SPUD INFORMATION

WELL NAME: BALDWIN FEDERAL 12-15
API#: 009-21284
LOCATION:
SPUD TIME: 11 pm
DATE: 4/21/08
DRILLING COMPANY: <u>Cyclone</u> RIG#:
CALLER'S NAME: RICK BALDWIN
COMPANY NAME: BALDWIN Exploration
OTHER:



IN THE MATTER OF THE APPLICATION OF BALDWIN EXPLORATION TO VACATE BOARD ORDER 23-75, WHICH DELINEATED THE NORTH CLARK'S FORK FIELD, AND TO CREATE A TEMPORARY SPACING UNIT COMPRISED OF THE W½NW¼ AND THE NW¼SW¼ OF SECTION 15, AND THE E½NE¼ AND NE¼SE¼ OF SECTION 16, T9S-R22E, CARBON COUNTY, MONTANA, TO DRILL A LAKOTA FORMATION TEST WELL ANYWHERE WITHIN SAID TEMPORARY SPACING UNIT BUT NOT CLOSER THAN 660 FEET TO THE BOUNDARIES THEREOF.

ORDER NO. 108-2007

Docket No. 119-2007

Report of the Board

The above entitled cause came on regularly for hearing on the 12th day of April, 2007 in the conference room of the Billings Petroleum Club in the Billings Sheraton in Billings, Montana, pursuant to the order of the Board of Oil and Gas Conservation of the State of Montana, hereinafter referred to as the Board. At this time and place testimony was presented, statements and exhibits were received, and the Board then took the cause under advisement; and, the Board having fully considered the testimony, statements and exhibits and all things and matters presented to it for its consideration by all parties in the Docket, and being well and fully advised in the premises, finds and concludes as follows:

Findings of Fact

- 1. Due, proper and sufficient notice was published and given of this matter, the hearing hereon, and of the time and place of said hearing, as well as the purpose of said hearing; all parties were afforded opportunity to present evidence, oral and documentary.
- 2. The evidence indicates that granting the application will serve to protect correlative rights and be in the interest of conservation of oil and gas in the State of Montana.

<u>Order</u>

IT IS THEREFORE ORDERED by the Board of Oil and Gas Conservation of the State of Montana that the application of Baldwin Exploration is granted as applied for.

IT IS FURTHER ORDERED that applicant apply for permanent spacing within ninety (90) days of completion of a successful well.

IT IS FURTHER ORDERED that a federal communitization agreement for spacing units which contain both federal and non-federal land shall be submitted to the authorized officer of the Bureau of Land Management prior to or upon completion of a producible well.



Done and performed by the Board of Oil and Gas Conservation of the State of Montana at Billings, Montana, this 12th day of April, 2007.

	BOARD OF OIL AND GAS CONSERVATION OF THE STATE OF MONTANA
	Linda Nelson, Chairman
	Wayne Smith, Vice-Chairman
	Don Bradshaw, Board Member
	Ronald S. Efta, Board Member
	Jack King, Board Member
	Bret Smelser, Board Member
	Joan Stahl, Board Member
ATTEST:	
Terri H. Perrigo, Executive Secretary	

Forn 3160-4 (August 2507)

*(See instructions and spaces for additional data on page 2)

UNITED STATES DEPARTMENT OF THE INTERIOR RUBEALL OF LAND MANAGEMENT

FORM APPROVED OMB NO. 1004-0137 Expires: July 31, 2010

				BUR	EAU OF	LAND MA	NAGEME	ENT						Expires: July 31, 2010						
	W	/ELL	COM	IPLETI	ON OR	RECOMPLE	TION RE	PORT	AND L	.OG	4				rial No.					
													MTN	A 963:	25					
la. Type of b. Type of			Oil We New W		Gas Well Work Ove	Dry Deepen	Other Plug Back	☐ Dif	f. Resvr.,				6. If	Indian	, Allottee or	Tribe N	ame			
2 11 6			Other:			p.*							7. U	nit or C	A Agreeme	nt Name	e and No.			
Name of Baldwin E.	xploration				7	n.									ame and Wel ederal 12-1					
Address	901 12th Str	reet Co	dy, WY 8	2414					No. (incli	ude area	code)		9. A	FI Wel	l No.					
4. Location	of Well (R	Report	location	clearly a	nd in accor	dance with Feder		75-852-	.5587					09-21						
						adrice with react	ui regaireme.	ius)					Nort	h Cla	nd Pool or Ex rks Fork		-			
At Surfac	e NW/4 S	SW/4 2	2,290'	FSL & 8	14" FWL										, R., M., on I or Area Sec					
At top pro	d. interval	reporte	ed below	v NW/4	SW/4 2,2	90" FSL & 310	'FWL						12. (County	or Parish	13	S. State			
At total de	epth 8,856	6'											Cart			M				
14. Date Sp	udded		140		T.D. Reach	ed		Date Com					17. I	Elevation	ons (DF, RK	B, RT	GL)*			
04/21/200 18. Total De	_	3.8	356	05/10/2		lug Back T.D.:		D&A		eady to F		1 51	GL 4	1,124"	RKB 4,13					
	TV	D 8.8	320				MD 8,829 TVD		ľ	20. Dept	in Bri	ige Plug		MD IVD						
21. Type El										22. Was			N N	o 🗆	Yes (Submi					
Open Hole											s DST ectiona	run? Il Survey	∠ No		Yes (Submi)			
23. Casing	and Liner I	Record	(Repor	rt all strin	gs set in we	·II)								y 15/	res (Subin	т сору)				
Hole Size	Size/Gr	ade	Wt. (#	/ft.)	Top (MD)	Bottom (MI		ementer pth		of Sks. & of Cemei		Slurry (BB		Cen	nent Top*		Amount Pulled			
12.24"	8.625"		24#	Sur	face	923'	NA		220 Sk		_	74 bbl		Surfa	ce					
7.875"	75" 5.5" 15.5/17# Surface				100541				Sks Prem G 62 bbl			500'								
7.075	75" 5.5" 15.5/17# Surface				8,851'	6,802'		300Sks			59 bbl		6,800'							
	-	-		_						s Prem	_	7 bbl		8,300						
		_							675 Sk		-	32 bbl		3,100						
24. Tubing	Record								50 SKS	Prem (G E	bbl		6,750	<u>'</u>					
Size	Depth			Packer Dej	oth (MD)	Size	Depth Se	et (MD)	Packer I	Depth (MI	D)	Size	:	Dep	th Set (MD)	P	acker Depth (MD)			
2.875" 25. Produci	8,599		8,6	502'			26													
25. Product	Formatio			1	Гор	Bottom		rforation forated In		-	Si	ze	No. H	alas	Т	DC	Stt			
A) Lakota				8,701		8,753'	8,705'-8			49'	- 51	ZC	NO. II	loies		Реп.	Status			
B) Lakota	"B"			8,757'		8,769'	8,759'-8	,767'												
C) D)																				
27. Acid, Fr	actura Tra	atmon	Como	. C																
	Depth Inter		, Cemei	nt Squeeze	e, etc.				Amount a	nd Type	of Ma	terial				R	ECEIV			
None																				
																	DEC 0 1 200			
															A	MONT	ANA BOARD			
28. Producti Date First	on - Intervi	-	. Fr	201	ha	lo		la								& GA	S COMS. PM			
Produced	rest Date	Hours		est roduction	Oil BBL		Water BBL	Oil Grav	-	Gas Gravi	tv	2000	uction Me	ethod						
6/21/08	6/21/08	96		→	564	2,000	2,000	51 De		73.5		Flov	virig							
	Tbg. Press.	Csg.		Hr.	Oil	Gas	Water	Gas/Oil		Well S										
	Flwg. SI	Press.	R	ate	BBL	MCF	BBL	Ratio		Shut										
16	1750	700	•		141	500	500	28.2%)											
28a. Produc Date First	tion - Interv Test Date	val B Hours	hr.	est	Oil	Con	hv	biro				les .								
Produced	. est Date	Teste	100	roduction	BBL		Water BBL	Oil Grav Corr. Al		Gas Gravi	ty	Prodi	action Me	ethod						
Choke	Tbg. Press.	Csg.	24	Hr.	Oil	Gas	Water	Gas/Oil		Well S	Status									
Size	Flwg.	Press.	Ra	ate	BBL		BBL	Ratio												

	Test Date	Hours	Test	Oil	Gas	Water	Oil G	ravity	Gas	Production Method	
Produced		Tested	Production	BBL	MCF	BBL	Corr.		Gravity	, rougellon memor	
Choke	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas/C Ratio		Well Status		9
28c. Prod	uction - Inte										
Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil G Corr.		Gas Gravity	Production Method	
Choke	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas/C Ratio		Well Status	5	
			ed for fuel, ve nue, Suite 1600) a City OK 73102						
0. Sumr	nary of Porc	ous Zones	(Include Aqu	ifers):					31. Forma	ntion (Log) Markers	
	ing depth in					intervals and al					
											Тор
For	mation	Тор	Bottom		De:	scriptions, Conte	ents, etc.			Name	Meas. Depth
Frontier		7,130	7,640	Gas	and oil shows						
Dakota		8,630	8,685	Gas	and oil shows						
Lakota "A"		8,685	8,725	Gas	and oil shows						
Lakota *B*		8,725	8,765	Gas	and oil shows						
32. Addi	tional remar	rks (include	plugging pro	ocedure):						D	ECETVED
										-	ECEIVED
										84041	DEC 0 1 2008
										å GA	TANA BOARD OF O AS CONS. BYLLING
33. Indic	ate which it	tems have t	peen attached	by placin	g a check in t	he appropriate b	ooxes:				
☐ Ele	ectrical/Mecl	hanical Log	s (1 full set rec	l'd.)		Geologic Repo	ort	☐ DST R	eport	☐ Directional Survey	
☐ Su	ndry Notice	for plugging	g and cement v	erification	n [Core Analysis	3	Other:			
					formation is co	omplete and corr	rect as det	termined fro	m all available	e records (see attached instructions)*
1	Name (pleas	se print) R	ichard Bald	win			Title	Presiden			
;	Signature _	Ru	lang	15	uld		Date	10/27/200	8		
Title 181	J.S.C. Secti	on 1001 an	d Title 43 U	S.C. Sect	ion 1212. mak	eit a crime for a	any persor	n knowingly	and willfully	to make to any department or agen	icy of the United States any
false, fic		udulent sta				e it a crime for a matter within its			and willfully	to make to any department or agen	(Form 316

RECEIVED

MTM	- 9632:

Form 3160-3 (August 1999)			_			1 € 2007	6345678	91		ON	ORM API	004-0	136
		UNITED S	STATES !	MONT	ANA	BOARD 9	FOIL			Expire	s: Noven	nber 30), 2000
	DEPART	MENT OF	THE IN	FERI	OR	INS. BILL	NGS W	B) 8	5.	Lease Serial No	Ο.		
		OF LAND				(2	: &	· 3	The state of the s	1	M	ΓM - 9	6325
A DDI	ICATION					1 -	P	LE LE CO	6.3	If Indian, Allot		energy the	
AIII	ACATION	TORTER		DKII			27	A Thing Co.	FELL.	\$ S			
1a. Type of Work	X DRIL	L		REENT	ER		CC29297	63242	/	If Unit or CA			ne and No.
1b. Type of Well	71	Gas Well		Y	Single	e Zone	Multiple Zor	ne		Federal 12			
2. Name of Operator	Bald	lwin Explora	tion					ľ	9.	API Well No.	0		- 21
(Agent) Extra	eme Petroleum Te	echnology, Inc.								25 - (09	-a	1284
	Desert Jewel Ci		11	3b. Pho	ne No	. (include are	a code)		10.	Field and Pool			
				775 053	<i>==</i> 07	(7-266-4498			North Cla	also Coals		
(Agent) P. O. Box 4. Location of well (cordance with	775-852			7-200-4498		11	Sec., T., R., M		And S	urvey or Area
Location of well (At surface		7/4 2,290' FSL		uny orun	. ,	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,				500., 1., 10., 11.	., 0. 5		
At surface	1111/151	2,270 100							Sec.	15, T9S, R22E	, P.M.M.		
At proposed prod	zone	NW/4 SW/4	2,290' FSL &	& 310' FV	VL								
14. DISTANCE IN M	IILES AND DIRI	ECTION FROM	NEAREST TO	WN OR	POST	Γ OFFICE*			12.	County or Pari	sh		13. State
	The pro	posed well is app	rovimately 7 m	iles sout	hwest	of Relfry M	٢	- 1		Carbo	n		MT
15. Distance from pro		posed well is app	TOXIMatery 7 II	ines sout		No. of Acres in		17. Space	cing l	Unit dedicated		ell	
location to neares	*												
property or lease	line, ft.	3	10'		640	0			2	40 acres			
(Also to nearest d		ıy)				n I.D		20 DIA	// DI	IA Bond No. or	. C1-		
18. Distance from pro					19. 1	Proposed Dep 8,950' TM		In I			THE		
to nearest well, di		i, N	I/A						100	~~~ A	ΛΛ =	11/	
applied for, on th					22	8,914' TV			- 1	Y \ I D U	d Dureti	XIC.)
21. Elevations (Show	whether DF. RT	, GR, etc.)			22	Aproximate di	ate work will s	tart*		23. Estimate	d Duran	on	
	4,123' Gradeo	i				Sept. 1, 2007				Appr	ox. 40 da	ays	
					24.	Attachments							
The following, compl	eted in accordance	ce with the requi	rements of Ons	shore Oil	and (Gas Order No.	1 shall be atta	iched to th	nis fo	orm:			
1. Well plat certifie	d by a registered	surveyor.			- 1	4. Bond	to cover the op	perations	unles	ss covered by e	xisting b	ond on	file(see
2. A Drilling Plan.							20 above).						
3. A Surface Use Pl				Lands, th	ie		ntor certification		atia	on and/ or plans	oc may	he rea	uired by the a
SUPO shall be fi	led with the appro	opriate Forest Sei	vice Office).				rized officer.	mic mion	шано	ni and/ or plans	as may	oc requ	ined by the a
		>		'N	D		niced officer:				Dete		
25. Signature										:1	Date	all	2007
_ Cdl	Deus			Ed	Reish	1				i	00/	011	
Title Agent											_		
Approved By (Signal	ture)			Name (Printe	ed/ Typed)				:1	Date	DOT	12 2007
Day	id I Bre	eisch										001	7 0 7001
Title Acting		inerals		Office									

Application approval does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Conditions of approval, if any, are attached.

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

^{* (}Instructions on reverse)

MALLEDISATION

Cementing Job Summary

old To #: 35	4226			Ship		Road to 264757			Quote					Sales	Order	#: 5835	734	
ustomer: B									Custo	mer Re	p:							
Vell Name: E						We	ell #:	12-15	5				API/UV	VI #: 2	25-009-	21284		
ield:	u.u.v		City	/ (SA	P): UI	NKNOW	1	Count	ty/Paris	h: Carb	on			State	: Monta	ana		
egal Descri	otion	· Section						E.										
contractor:						Rig/Platf	orm	Name	/Num:	4								
ob Purpose			ırface	Cas														
Vell Type: U					9	Job Type	e: Ce	ement	Surface	Casino	1							
sales Persor						Srvc Su						MB	U ID E	mp #:	37025	57		
ales Person	. 31	AILIN,	LAIN	` -		0.0000			ersonn			-						
HES Emp	Name	Ev	p Hrs	Fm	p# [HES		Name			mp#		HES E	mp Na	ıme	Exp Hrs		Emp#
DELACH, ST				370		ELDER,					6808	MC	CORM	ACK,	IAMES	32	1	22548
DELACTI, OT			_									W					-	
PROCHNOV	Ι,	3	2	331	417	REICHE		CH,	32	. 2	31749							
JOSEPH W						JEREMY	C		inmont								1	
					11	D'-t-		Equ 1 way	ipment	Unit#	Dieta	nce.	way	HES	Unit#	Distar	nce	-1 way
HES Unit #		ance-1	way		Unit #			1 way	10624		120 r		way	1082		120 mi	_	
10025119	120					120 mi			1086		120 r			1095		120 mi	le	
10822539	120			1082	9460	120 mi	ile		1000		1201				120 11/110			
10951208	120	mile																
									Hours	_		_	Dete		n Loca	tion ()ne	erating
Date		Location		perat					cation	Opera	ating urs	Date		1	Hour			
	ŀ	lours		Hour	S				urs	по	uis	+-		_	Hour			-
									Total is	the sun	of eac	h col	ımn sei	parate	ly			
OTAL				Jol					Total	l die can				b Tir				
N N-				301	,							\top	Da	te	Ti	me 1	im	e Zone
Formation Na Formation De		MD) To	n			Botte	om	Γ		Called	Out		22 - Apr	- 200		5:00		MST
Form Type	pui	וועוטן ווע	Р		BHS			80) degF	On Loc	ation		22 - Apr			9:00	_	MST
Job depth Mi	-	9	25. ft			Depth TVI	D	9	25. ft	Job Sta	arted		24 - Apr			0:00	_	MST
Water Depth						It Above I		-	10. ft	Job Co		_	24 - Apı			4:00	_	MST
Perforation D	epth	(MD) Fi	om			То				Depart	ed Loc		24 - Apı	- 200	8 0	3:00	- 1	MST
	-							W	ell Data									
Description	n	New /	Ma	ax	Size	ID		eight	Т	hread		Gra	de T	ор МС			• 1	Bottor
•		Used	pres	sure	in	in	Ibi	m/ft						ft	M			ft
			ps	ig		40.05	-								90			
12 1/4" Open	ı					12.25							1					
Hole 8 5/8" Surface		Unknow			8.625	5 8.097	1 2	24.							90	0.		
Casing	e	n			0.020													
						S	ales	/Rent	al/3 rd Pa	arty (HE	S)							
					Descr	iption						Qty	Qty uc	m	Depth	Sı	ipp	lier
CENTRALIZE	RAS	SY - AF	1 - 8-5	/8 CS	GX							6	EA					
CLAMP - LIM												1	EA					
SHOE,GID,8												1	EA					
FILLUP ASS			7 IN	8-5/8	}							1	EA					
KIT, HALL WI	ELD-A	4										1	EA					
			-		lbs/ft							1	EA					

DEC 1 5 2008

MONTANA BOARD OF OIL & GAS CONS. BILLINGS HALLIBIETER

M

Cementing Job Summary

						Tools :	and A	ccesso	ries				0:		161	Ma	ko
	10:	04.	Make	Depth	Туре	Size	Qty	Mal	ke Dep		Type	_	Size		Qty	IVIA	NC
Type	Size	Qty	Wake	Deptii	Packer						Plug			-		-	
uide Sho				-	Bridge Plug						ttom Plug			-		-	
oat Shoe			-	 	Retainer						R plug se			+-		-	
oat Colla					1,00						g Contai			-		+	
sert Floa			-	·						Ce	ntralizers	<u> </u>				1	
age Too	ol			1		Miscel	laneo	us Mat	erials					26.		Conc	%
		1	VC0	onc	Surfa	ctant			Conc		id Type	-		Qty Size		Qty	100
elling A		-		onc	Inhib				Conc	Sa	and Type			Size		acy	
reatmen	t Fld		CC)iii			Fluid	Data									
															- 1 -	otal I	liv
	e/Plug#				luid Name			Qty	Qty	Mixin			ix Fluid			uid G	
luid	Stage Ty	pe		г	Iulu Name				uom	Densi		k	Gal/sk	bbl/m	וווון רוי	ulu G	an 51
#								-		lbm/g		-	_	5.0	-		
								0.00	bbl	8.4	.0	_	.0	5.0	_	9.98	2
	Vater			BURTON	LIGHT PRE	MIUM -	SBM	220.0	sacks	12.5	1.89	9	9.98	5.0	'	3.50	,
2 H	ILC Prem	ium					- 1										
	0.01		CALCI	LIM CHL	ORIDE - HI T	EST PE	LLET	100005	053)								
	2 %		CALCI	SEAL SI	K (100064010	0)											
	0.5 lbm		KVVIK	H WATE	R	,								1 =		4.6	5
	0.444 Gal		FRESI	DDEMU	JM - CLASS (3 94 LE	3 SK	305.0	sacks	15.8	B 1.1	4	4.65	5.0	0	4.0	J
3 F	remium																
			(10000	DDEMI	JM - CLASS (REG	OR TY	PE V, BI	JLK (100	003685	5)						
	94 lbm		CIVIT -	ILINA CHI	ORIDE - HIT	FST PE	ELLET	(100005	5053)								_
	2 %		CALC	CEAL S	SK (10006401	0)											
-	0.5 lbm		KWIK	SEAL, S	D	<u> </u>								1 -	0		
	4.994 Gal		FRES	H WATE	: K			0.00	bbl	8.4	4 .0	0	.0	5.	.0		
4	Displacer	nent						0.00						-	-	5.	0
	luid				UM - CLASS	G 941	BSK	100.0	sacks	15	.8 1.	15	5.0	2	.0	5	.0
	Top Out	IF															
N	leeded)		CLAT	03685)	UM - CLASS	G REG	OR TY	PE V, E	SULK (10	000368	5)						
	94 lbm		CMI	- PREIVII	LORIDE - HI	TEST P	ELLE	(10000	5053)								
	2 %		CALC	SIUM CH	ED ED	TEO.		•									
	5.019 Ga			SH WATI							Volu	mes					
Ca	lculated	Valu	es		Pressures		Loct F	eturns			ent Slurr				ad	-	
Displac	cement			Shut In: I	Instant			nt Retu	ns	Actu	al Displa	acem	ent		reatm		
Top Of	Cement			5 Min			Space		-	Load	d and Bre	akdo	wn		otal J	ob	
Frac G	radient		1	15 Min				Rates									
									olaceme	nt			Avg	. Job			
	lating				lixing	101	loint	Dist	naosino								
Circu		n Din	e Ame	ount 4	4 ft Reason		Joint	1=	Ring # 3	0	ID		Frac Ri	ng # 4	@		ID
Circu	ent Left	II LID			c ring # 2 @		D	L	KIND #	HD)							



DEC 1 5 2008

MONTANA BOARD OF OIL & GAS CONS BILLINGS

HALLIEURTON

Cementing Job Log

The Road to Excellence Starts with Safety

Sold To #: 354226 Ship	To #: 2647573	Qı	uote #:	Sale	es Order #: 5835734
Customer: BALDWIN EXPLORATION	ON	Cı	ustomer Rep:		
Well Name: Baldwin Federal	Wel	#: 12-15		API/UWI #	: 25-009-21284
Field: City (SA	P): UNKNOWN	County/Pa	rish: Carbon	Stat	e: Montana
Legal Description: Section 15 Tov	enship 9S Range 2	22E			
Lat: N 0 deg. OR N 0 deg. 0 min. 0			ong: E 0 deg. O	R E 0 deg. 0 min.	0 secs.
Contractor: CYCLONE	Rig/Platfor	m Name/Nu	ım: 4		
Job Purpose: Cement Surface Cas	sing			Ticket Amour	nt:
Well Type: Unknown Well Type	Job Type:	Cement Sur	face Casing		
Sales Person: STATEN, LARRY	Srvc Super	visor: DEL	ACH, STEVEN	MBU ID Emp	#: 370257
		Rate		Pressure	

Activity Description	Date/Time	Cht	Rate bbl/ min	Volu	ume		sure sig	Comments
		#		Stage	Total	Tubing	Casing	
Crew Leave Yard	04/22/2008 15:00							
Depart Yard Safety Meeting	04/22/2008 15:00							
Arrive At Loc	04/22/2008 20:00							
Assessment Of Location Safety Meeting	04/22/2008 20:30						9	RECEIVED
ait on Customer or customer Sub-Contractor Equipm	04/23/2008 08:00							DEC 1 5 2008
Pre-Rig Up Safety Meeting	04/23/2008 21:00						MC &	NTANA BOARD OF OIL BAS CONS. BILLINGS
Rig-Up Equipment	04/23/2008 21:30							
Safety Meeting - Pre Job	04/24/2008 00:00							
Start Job	04/24/2008 00:30							
Test Lines	04/24/2008 00:32							TEST @ 3000 PSI
Pump Water	04/24/2008 00:34		5	20			85.3	FW SPACER AHEAD
Pump Lead Cement	04/24/2008 00:41		5	74			110.3	12.5# LEAD CEMENT
Pump Tail Cement	04/24/2008 00:59		4.5	61			225.3	15.8# TAIL CEMENT
Shutdown	04/24/2008 01:20							
Drop Plug	04/24/2008 01:21							
Pump Displacement	04/24/2008 01:23		4	56			185.3	200-320 PSI. BUMP 25 PSI OVER @ 550 PSI

Sold To #: 354226

Ship To #:2647573

Quote #:

Sales Order #:

5835734

SUMMIT Version:

7.20.130

Thursday, April 24, 2008 04:57:00

HALLIBURTON

Cementing Job Log

Activity Description	Date/Time	Cht	Rate bbl/ min		ume bl	Pres	sure sig	Comments
		#		Stage	Total	Tubing	Casing	
Cement Returns to Surface	04/24/2008 01:39							CEMENT RETURNS TO SURFACE @ 40 BBLS DISPLACED
Bump Plug	04/24/2008 01:52						535.3	BUMP PLUG
Check Floats	04/24/2008 01:53			-	\			CHECK TO ENSURE THAT FLOATS ARE HOLDING. BLED 3/4 BBLS BACK
Standby - Other - see comments	04/24/2008 02:00							STANDBY ON WATER HAULER TO BRING WATER FOR TOP OUT JOB OF WASHED OUT SUB STRUCTURE GROUND/MOUSE HOLE.
Pump Cap Cement	04/24/2008 03:20		1	27		135.3		16.1# CEMENT PUMP TOP OUT CEMENT 3% CACL2 INTO MOUSE HOLE CAVERN.
afety Meeting - Pre Rig-Down	04/24/2008 04:00							
Rig-Down Equipment	04/24/2008 04:05							
Depart Location for Service Center or Other Site	04/24/2008 05:30							
Safety Meeting - Departing Location	04/24/2008 05:30							

RECEIVED

DEC 1 5 2008

MONTANA BOARD OF OIL & GAS CONS. BILLINGS

Sold To #: 354226

Ship To #:2647573

Quote #:

Sales Order #:

5835734

SUMMIT Version:

7.20.130

Thursday, April 24, 2008 04:57:00

Cementing Job Log

The Road to Excellence Starts with Safety

Sold To #: 354226	hip To #:	2647573	C	Quote #:			Sales	Order #: 5882705
Customer: BALDWIN EXPLORA	ATION		C	ustomer	Rep: Ke	el, Bill		
Well Name: Baldwin Federal		Wel	I #: 12-15			API/	UWI #: 2	5-009-21284
Field: City	(SAP): RE	D LODGE	County/F	arish: Ca	ırbon		State:	Montana-
Legal Description: Section 15	Township 9	9S Range	22E					
Lat: N 0 deg. OR N 0 deg. 0 min				ong: E 0		E 0 deg.	0 min. 0	secs.
Contractor: Cyclone	F	Rig/Platfor	m Name/N	lum: Cycl	one4			
Job Purpose: Cement Multiple	Stages					Ticket /	Amount:	
Well Type: Unknown Well Type			Cement M					
Sales Person: STATEN, LARRY	Y 5	Srvc Supe	rvisor: TR	OTTIER,	SHAWN	MBU ID	Emp #:	100638
Activity Description	Date/T	ime Cl	Rate ht bbl/ min		ume bl	Pres	sure sig	Comments
		#	ŧ	Stage	Total	Tubing	Casing	

Activity Description	Date/Time	Cht	Rate bbl/ min		ume bl		sure sig	Comments
		#		Stage	Total	Tubing	Casing	
Call Out	05/12/2008 18:00							
Depart Yard Safety Meeting	05/12/2008 18:30							KECEIAED
Arrive at Location from Service Center	05/13/2008 04:00							DEC 1 5 2008
Assessment Of Location Safety Meeting	05/13/2008 04:10							ONTANA BOARD OF OIL GAS CONS. BILLINGS
e-Rig Up Safety Meeting	05/13/2008 10:00							
Pre-Job Safety Meeting	05/13/2008 12:45							
Test Lines	05/13/2008 13:00							TEST LINES 6000 PSI
Pump Spacer 1	05/13/2008 13:02		2	20			100.0	20 BBL FRESH WATER
Pump Spacer 2	05/13/2008 13:12		2	20			180.0	20 BBL MUD FLUSH
Pump Spacer 1	05/13/2008 13:17		6.5	20			460.0	20 BBL FRESH WATER
Pump Cement	05/13/2008 13:20		6.5	10			540.0	10 BBL SCAVENGER @ 11 PPG (20 SKS 65/35 POZ PLUS ADDS. 11 PPG 2.91 CFS 17.8 CFS)
Pump Lead Cement	05/13/2008 13:24		6.5	83		w.	580.0	83 BBL LEAD CEMENT @ 13.1 PPG (300 SKS 65/35 POZ PLUS ADDS. 13.1 PPG 1.63 CFS 8.2 GPS) 580 - 280 PSI @ 6.5 BPM

Sold To #: 354226

Ship To #:2647573

Quote #:

Sales Order #:

5882705

SUMMIT Version: 7.20.130

Tuesday, May 13, 2008 08:40:00

Cementing Job Log

Activity Description	Date/Time	Cht	Rate bbl/ min		ume bl		sure sig	Comments
		#	343114	Stage	Total	Tubing	Casing	
Pump Tail Cement	05/13/2008 13:36		5	30			300.0	30 BBL TAIL CEMENT @ 15.8 PPG (150 SKS PREM PLUS ADDS. 15.8 PPG 1.14 CFS 4.65 GPS) 300 PSI @ 5 BPM
Clean Lines	05/13/2008 13:46							WASH PUMPS AND LINES
Drop Plug	05/13/2008 13:48							DROP FIRST STAGE SHUT OFF PLUG.
Pump Displacement	05/13/2008 13:50		6.5	50			120.0	50 BBL FRESH WATER. 6.5 BPM @ 120 PSI
Pump Displacement	05/13/2008 13:58		6	156			800.0	156 BBL MUD 6 BPM @ 275 PSI, SLOWED TO 3 BPM @ 70 PSI FOR PLUG TO GO THROUGH TOOL. SLOWED TO 2 BPM LAST 10 BBL. CAUGHT CEMENT AT 166 BBL AWAY, 370 - 800 PSI
Bump Plug	05/13/2008 14:30		2				1200. 0	BUMP PLUG 800-1200 PSI @ 2BPM
Bleeding Tubing Or Casing	05/13/2008 14:32							BLEED OFF, CHECK FLOATS. FLOATS HOLDING 1 BBL BLED BACK
Open MSC	05/13/2008 14:36			R	ECE	IVE		PRESSURE UP TO OPEN TOOL, .5 BPM TOOL OPEN AT 2150 PSI
Circulate Well	05/13/2008 14:36				DEC 1	5 2009		CIRCULATE 20 BBL MUD
Other	05/13/2008 14:41				TANA BO	AAD OF (TURN OVER TO RIG TO CIRCULATE FOR 4 HOURS, CIRCULATED APPROX. 50 CEMENT TO PIT.
Pre-Job Safety Meeting	05/13/2008 18:00							
Test Lines	05/13/2008 18:17					, v _c	*	TEST LINES 6000 PSI
Pump Spacer 1	05/13/2008 18:18		3	20			200.0	20 BBL FRESH WATER. 3 BPM @ 200 PSI
ımp Spacer 2	05/13/2008 18:24		3	20			200.0	20 BBL MUD FLUSH. 3 BPM @ 200 PSI

Sold To #: 354226

Ship To #:2647573

Quote #:

Sales Order #:

5882705

SUMMIT Version: 7.20.130

Tuesday, May 13, 2008 08:40:00

Cementing Job Log

Activity Description	Date/Time	Cht	Rate bbl/ min	Volu		I .	sure sig	Comments
		#		Stage	Total	Tubing	Casing	
Pump Spacer 1	05/13/2008 18:30		6.5	20			360.0	20 BBL FRESH WATER. 6.5 BPM @ 360 PSI
Pump Lead Cement	05/13/2008 18:34		6.5	195			540.0	195 BBL LEAD CEMENT @ 13.1 PPG (675 SKS 65/35 POZ PLUS ADDS. 13.1 PPG 1.62 CFS 8.22 GPS) 540 - 180 PSI @ 6.5 BPM
Other	05/13/2008 19:09							THANK YOU, SHAWN TROTTIER
Pump Tail Cement	05/13/2008 19:14		5	10			130.0	10 BBL TAIL CEMENT @ 15.8 PPG (50 SKS PREMIUM PLUS ADDS. 15.8 PPG 1.14 CFS 4.8 GPS) 130 PSI @ 5 BPM
Drop Plug	05/13/2008 19:17							DROP CLOSING PLUG
amp Displacement	05/13/2008 19:18		6	159			1340. 0	159 BBL DISPLACEMENT WITH FRESH WATER 80 - 1340 PSI @ 6 BPM
Bump Plug	05/13/2008 19:52		2					BUMP PLUG 1520 - 2580 PSI @ 2 BPM
Close MSC	05/13/2008 19:52							PRESSURE UP TO 2580 PSI TO CLOSE TOOL. HOLD FOR 2 MIN.
Bleeding Tubing Or Casing	05/13/2008 19:54							BLEED OFF, TOOL IS CLOSED, BLED BACK 1 BBL
Pre-Rig Down Safety Meeting	05/13/2008 20:00							
Depart Location Safety Meeting	05/13/2008 21:00							
Depart Location for Service Center or Other Site	05/13/2008 21:10							



DEC 1 5 2008

MONTANA BOARD OF OIL & GAS CONS. BILLINGS

Sold To #: 354226

Ship To #:2647573

Quote #:

Sales Order #:

5882705

SUMMIT Version: 7.20.130

Tuesday, May 13, 2008 08:40:00

				The I	Road to	Exc	ellend	e Star	ts with	Safety	,							
old To #: 35422	26		Ship T	0#:	264757	3		Quote	= #:				Sal	es O	rder	#: 5	88270	15
customer: BALD		PLOF	RATION					Custo	mer R	Rep: Ke	el, Bi	11						
Vell Name: Bald					We	ell #:	12-15					API/U	WI#	: 25-	009-	2128	34	
ield:	******	City	(SAP)	RF	D LODG				sh: Car	rbon			Sta	te: N	lonta	ana		
egal Description	n. Section							,				- 16						
		711 13	1000110	mp c	Rig/Platf	orm	Name	Mum	Cyclo	ne4	-							
contractor: Cyc		llėi ml	o Ctogo	_	tigir iau	OIIII	Idallic	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	Oyolo	1101								
ob Purpose: C				5	lob Typ	a. C.	amont	Multiple	o Stan	95								
Vell Type: Unkn											NAD	U ID E	mn	#- 1	กกลว	28		
Sales Person: S	SIAIEN,	LAKI	KY	3	Srvc Sup					HIVVIN	IVID	טוט ב	qiii.	m. 1	0000	,0		
								ersonn		r	1	HEC E		None		Evn	Liec	Emp#
HES Emp Nar		p Hrs					Name			Emp #	110	HES E			3	12	Hrs	447175
ANTON, TIMOTH	HY 1:	2	376958		BAILEY,	JUST	IN	12		432708		RRIS,	SIE	V E I V		12		44/1/5
Charles	A 4	2	27025	_	Michael TROTTIE	D CI	HAMAI	18		100638	Jai	1165						
SMITH, JUSTIN	A 1:	2	37025		Patrick	.r, 5												
								ipment										
HES Unit # Dis	stance-1	way	HES Ur	nit#	Dista	nce-1	way		Unit #	_	ince-	1 way	_	S Ur		_		e-1 way
10719783 30	D		105979		300			10823	2521-	300			1000000	42111 71320		30	0	
			100250	/ 1			lob	Hours					101	1020				
					Data			cation		rating	T	Date		On I	ocat	tion	On	erating
Date On	Location		perating	1	Date		Ho			ours		Date			lours			lours
5 44 00	Hours	-	Hours 3	+		-	1101	uis	110	Juij								
5-14-08	12		3					Total is	the su	m of eac	ch coli	ımn se	para	telv				
OTAL			Job					7010110	1770 001	,,, 0, 040				imes	3			
			300										ite .			me	Tin	ne Zone
mation Name	(MID) T-				Botto	.m. [Called	Out	1	2 - Ma		800		:00		MST
ormation Depth	(MD) 10	р	D	LICT	BOLLO)111	185	degF	On Lo			3 - Ma				:00	-	MST
Form Type	0.0	FO #		HST				50. ft	Job St			3 - Ma		_	-	:00		MST
Job depth MD	88	50. ft			epth TVD	70.00		2. ft		omplete		3 - Ma				:00	+	MST
Water Depth			V	KHT	Above F	1001		2. 11		ted Loc	_	3 - Ma				:00		MST
Perforation Dept	h (MD) Fr	om			То		10/0	II Data		ted Loc		0 1110	,	000				
			1 0		ID.	165-5			hread		Grad	to T	op N	an l	Botto	nm.	Тор	Botton
Description	New /	Ma		ize	ID in	Wei			III Cau		Crac		ft		ME		TVD	TVD
	Used	press		in	111	IDII	1/16								ft		ft	ft
7 7/8" Open Hole		ps	'9		7.875								850).	895	0.	850.	8916.
5 1/2 " Production				5.5	4.95	15	5.5				J-5	5			660	0.		
Casing	n												600	0	600	0		
5 1/2" Cementer	Unknow			5.5		1	7.						6800	U.	680	U.		
5 1/2" Production				5.5	4.892	1	7.				J-5	5	660	0.	890	0.		8865.
Casing	n																	
8 5/8" Surface	Unknow		8	625	8.097	2	4.								900).		
Casing	n							td =							2-04-1101			
						ales	Renta	1/3 rd Pa	arty (H	ES)	01	04		D	46		Sup	olior
				scrip	otion						Qty	Qty u	_	Dep	LII		Sup	mei
CLR,FLT,5-1/2 8	RD,14-23	PPF,2	-3/4								1	EA	_					
SHOE, FLOAT, 5	1/2 8RD,2	3/4 S	UPER S	EAL							1	EA	-					
CTRZR ASSY,5	1/2 CSG >	7 7/8	HOLE,	HING	SED						37	EA	-					
CLAMP - LIMIT -	5-1/2 - HI	NGE) -								2	EA						
KIT, HALL WELD											3	EA	-				-	
JG SET - FRE		5-1/2	8RD &								1	EA			T.	C	CL	YELD

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							Tools an	d Acc	essori	es								
Ту	pe	Size	Qty	Make	Depth	Type	Size	Qty	Make	De	pth	-	Туре	Size	(aty	Ma	ke
	Shoe					Packer						Top F						
loat S	Shoe					Bridge Plug							m Plug					
loat (Collar					Retainer							plug set				-	
sert	Float											-	Container					
tage	Tool											Cent	ralizers					
							Aiscellar	eous	Materi	als							-	
ellin	g Agt			Co	nc	Surfac	tant			onc		-	Туре		Qty		Conc	%
reatn	nent F	ld		Co	nc	Inhibit	or		Co	onc		Sand	Туре		Size		Qty	
							FI	uid Da	ta									
St	age/F	lug #:	1															
Fluid	Sta	ge Typ	oe e		FI	uid Name		Qt	у (Qty		xing	Yield	Mix	Rate		Total M	
#									u	om	1	nsity	ft3/sk	Fluid	bbl/m	in Fl	uid Ga	I/s
											_	n/gal		Gal/sk		-		
1	Wate	er						20.	.0	obl	8	3.3	.0	.0	5.0	_		
2	MUD	FLUS	HIII	MUD FI	LUSH III	- SBM (52878	38)	20.	.0	bbl	8	3.4	.0	.0	5.0			
	42 ga	al/bbl		FRESH	WATER													
	0.1 g	al/bbl		D-AIR 4	1000L, 5	GAL PAIL (10	1432158)											
3	Wate	er						20.	.0	bbl	3	3.3	.0	.0	5.0			
4	Cem	ent		CMT - S	STANDA	RD TYPE I / I	CEMEN	T 20.	.0 s	acks	1	11.	2.91	17.8	5.0		17.8	
	Scave	enger		(101439														-
	61.1	lbm				ENT, BULK (1												
	24.67	5 lbm		POZMI	X A (BUL	K) FLYASH (10000369	0)										
	1	%		BENTO	NITE, BU	JLK (1000036	82)											
	3	bm				OMPACTED,		(10001	2223)									
	0.5	5 %		HALAD	(R)-344,	50 LB (10000	3670)											
	0.2	2 %		VERSA	SET, 55	LB SK (10137	76573)											
	0.4	1 %		HR-5, 5	0 LB SK	(100005050)												
	0.12	5 lbm		POLY-	E-FLAKE	(101216940)				1122								
	0.25	Ibm		KWIK S	SEAL, SK	(100064010))											
	18.01	14 Gal		FRESH	WATER	2												
5	65/3 I-II	5 Poz	Гуре	CMT - (101439		RD TYPE I/	I CEMEN	T 300	0.0 s	acks	1	13.1	1.63	8.2	5.0		8.2	
	61.1	1 lbm		1		ENT, BULK (10143979	8)					o Something					
	24.67	75 lbm		POZMI	X A (BUI	K) FLYASH (10000369	90)										
	1	%		BENTO	ONITE, B	ULK (1000036	582)											
		lbm				OMPACTED,		(10001	12223)									
		5 %				50 LB (10000												
		2 %				LB SK (1013												
		5 %				(100005050)												
		5 lbm				(101216940)												
		5 lbm				< (100064010												
		66 Gal			H WATER													



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MONTANA BOARD OF OIL & GAS CONS. BILLINGS

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luid	tage/Plug #: 1 Stage Type	Fluid Name	Qty	Qty	Mixing	Yield	Mix	Rate	Total Mix
#	Stage Type	r Idia Name	,	uom	Density Ibm/gal	ft3/sk	Fluid Gal/sk	bbl/min	Fluid Gal/sl
5	Premium	CMT - PREMIUM - CLASS G, 94 LB SK (100003685)	150.0	sacks	15.8	1.14	4.65	5.0	4.65
	94 lbm	CMT - PREMIUM - CLASS G REG OR TY	PE V, BL	JLK (100	003685)				
	0.5 %	HALAD(R)-344, 50 LB (100003670)							
	0.3 %	D-AIR 3000 (101007446)							
	0.3 %	HR-5, 50 LB SK (100005050)							
	0.125 lbm	POLY-E-FLAKE (101216940)							
	0.25 lbm	KWIK SEAL, SK (100064010)							
	0.25 %	HALAD(R)-413, 50 LB (100003738)							
	0.1 %	VERSASET, 55 LB SK (101376573)							
	4.9 Gal	FRESH WATER							
7	Water		60.0	bbl	8.4	.0	.0	5.0	
	Displacement								
3	Mud		149.542	ldd	9.5			5.0	
	Displacement								
Si	tage/Plug #: 2								
luid #	Stage Type	Fluid Name	Qty	Qty uom	Mixing Density uom	Yield uom	Mix Fluid uom	Rate	Total Mix Fluid uom
1	Water		20.0	bbl	8.33	.0	.0	5.0	
2		MUD FLUSH III - SBM (528788)	20.0	bbl	8.4	.0	.0	5.0	
	42 gal/bbl	FRESH WATER	20.0						
	0.1 gal/bbl	D-AIR 4000L, 5 GAL PAIL (101432158)							
3	Water	B-AIN 4000E, 0 GAET AIE (10 1.02100)	20.0	bbl	8.33	.0	.0	5.0	
4	65/35 Poz Type	CMT - STANDARD TYPE I / II CEMENT (101439798)	675.0	sacks	13.1	1.62	8.22	5.0	8.22
	61.1 lbm	TYPE I / II CEMENT, BULK (101439798)							
	24.675 lbm	POZMIX A (BULK) FLYASH (100003690)							
	1 %	BENTONITE, BULK (100003682)							
	3 lbm	SILICALITE - COMPACTED, 50 LB SK (0001222	3)					
	0.2 %	HALAD(R)-344, 50 LB (100003670)							
	0.2 %	VERSASET, 55 LB SK (101376573)							
	0.125 lbm	POLY-E-FLAKE (101216940)							
	0.25 lbm	KWIK SEAL, SK (100064010)							
	8.392 Gal	FRESH WATER							
5	Premium	CMT - PREMIUM - CLASS G, 94 LB SK (100003685)		sacks		1.14	4.8	5.0	4.8
	94 lbm	CMT - PREMIUM - CLASS G REG OR T	YPE V, B	ULK (10	0003685)				
	0.2 %	HALAD(R)-344, 50 LB (100003670)							
	0.1 %	VERSASET, 55 LB SK (101376573)							
	0.125 lbm	POLY-E-FLAKE (101216940)							
	0.25 lbm	KWIK SEAL, SK (100064010)							
	0.1 %	HALAD(R)-413, 50 LB (100003738)							
	4.941 Gal	FRESH WATER					- R 4	PRTL	I III IP

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MONTANA BOARD OF OIL & GAS CONS. BILLINGS

Summit Version: 7.20.130

Tuesday, May 13, 2008 20:40:00

Fluid #	Stage Ty	pe		Fluid Name				Qty	Qty uom	Mixing Density Ibm/gal	Yield ft3/sk	Mix Fluid Gal/sk	Rate bbl/min	Total Mix Fluid Gal/s
6	Water Displaceme	nt						161.745	bbl	8.33	.0	.0	5.0	
Ca	alculated V	alues		Press	sures					V	olumes			
Displa	cement		Shut	In: Instar	nt		Lost R	eturns		Cement S	lurry		Pad	
Top O	f Cement		5 Mir	1			Cemer	t Returns		Actual Di	splacem	ent	Treatn	nent
Frac G	Gradient		15 M	in			Space	rs		Load and	Breakdo	wn	Total .	Job
							F	Rates						
Circu	lating			Mixing				Displac	ement			Avg.	lob	
Cem	ent Left In F	Pipe An	nount	44 ft	Reason	Shoe	Joint							
Frac	Ring #1@	ID	1	rac ring	#2@	11	D	Frac Rin	g # 3 @	. 11		Frac Ring	#4@	ID
T	he Informa	tion Sta	ated	Herein I	s Corre	ect	Custor	ner Represe	ntative Si	gnature				



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MONTANA BOARD OF OIL & GAS OONS. BILLINGS

Summit Version: 7.20.130

Tuesday, May 13, 2008 20:40:00

Date 11.17	-08 (406)652-4400 COL	MPETITII		69 Niehenke llings, Montan			
	5093 LEASE/LOCATION DOLLAR		leral 12-		05 - 22	7	
	MANA COUNTY CAR				17. 991		
LEVATION	KB ELEVATION NA	_ DRILLER TD _\&	450 FIELD L	Sildent			
	PERSONNEL Drishell Fields				# <u>3</u> 63		
			,			a // .	
	ALDUIN ExploRATION		_	,			
ADDRESS _C	Competition Wireline Services is requested to perform	n the following service	ZIO Keno Ne	ms printed on t	89511 he reverse of this o	rder.	
	ITEM	AMOUNT			ORMATION		
4501	SERVICE CHARGE: Truck		Casing	Lb/Ft	From	То	
	SERVICE CHARGE:		5.50"	NA	Suitar	TO	
	B Logging unit	mile mile					
	Mast/crane	mile					
Service 4601							
Depth	8731' 6			Fluid Level (surf) Competition measurements are from (check One):			
Oper.	Set @ 873 '			KB GL Prev. Logs			
Service 4(0)2	2 4.24 CIBP		CWS TD _57	130	Driller TD _		
Depth			Plug model P	muell s	Size 4-24	Depth 873)	
Oper.	0 6			•		Depth	
4592	2 PACIC OFF				FORATIONS	y	
Service Depth			Interv		SF	PF Total #	
Oper.	Sussort		- Interv	410	01	1 Total #	
	D. scowt	_<	¥				
Service			<u> </u>				
Depth Dper							
Service							
Depth							
Oper.			-				
Service			TOTAL PER	FORATIONS	:		
Depth			AFE #:				
Oper.							
\			Remarks:				
Service Depth							
Oper.							
	EQUIPMENT, RENTALS, PERSONNEL		-				
1503	Mileage 60						
1518	Heal for Softy Environt				DEPET	MIR FO	
4600	Powder loan Standard ~				ME CHA	V S.L.	
			-		DEC 2 6	2008	
	MATERIALS			MONTANA BOARD OF OIL			
	Field TOTAL			& GAS CONS. BILLINGS			
			-				
	Sub total		-				
	Other	-	√itnessed by:	Vitnessed by: Tree Triskell			
	TOTAL CHARG	ES	ompetition W	competition WS Kick Bandwin			
	Sales Tax	EQ -			(Please Print)		
Original - Pleas	TOTAL CHARG e pay from this invoice - Due 30 days from above dat	L					