

Submit 1 Copy To Appropriate District Office
District I – (575) 393-6161
1625 N. French Dr., Hobbs, NM 88240
District II – (575) 748-1283
811 S. First St., Artesia, NM 88210
District III – (505) 334-6178
1000 Rio Brazos Rd., Aztec, NM 87410
District IV – (505) 476-3460
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico
Energy, Minerals and Natural Resources

Form C-103
Revised July 18, 2013

OIL CONSERVATION DIVISION
1220 South St. Francis Dr.
Santa Fe, NM 87505

WELL API NO. 30-021-20692
5. Indicate Type of Lease STATE ☐ FEE ☒
6. State Oil & Gas Lease No.
7. Lease Name or Unit Agreement Name Breitburn Operating LP 1930 SWD
8. Well Number 12-4-G
9. OGRID Number 370080
10. Pool name or Wildcat SWD Tubb

SUNDRY NOTICES AND REPORTS ON WELLS
(DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN OR PLUG BACK TO A DIFFERENT RESERVOIR. USE "APPLICATION FOR PERMIT" (FORM C-101) FOR SUCH PROPOSALS.)

1. Type of Well: Oil Well ☐ Gas Well ☒ Other CO2

2. Name of Operator
Breitburn Operating LP

3. Address of Operator
1401 McKinney Houston, Texas 77010

4. Well Location

Unit Letter G: 2265 feet from the North line and 1483 feet from the East line

Section 12

Township 19N

Range 30E

NMPM

Harding County

11. Elevation (Show whether DR, RKB, RT, GR, etc.)
4556' GR

12. Check Appropriate Box to Indicate Nature of Notice, Report or Other Data

NOTICE OF INTENTION TO:

PERFORM REMEDIAL WORK ☐ PLUG AND ABANDON ☐
TEMPORARILY ABANDON ☐ CHANGE PLANS ☒
PULL OR ALTER CASING ☐ MULTIPLE COMPL ☐
DOWNHOLE COMMINGLE ☐
CLOSED-LOOP SYSTEM ☐
OTHER: ☐

SUBSEQUENT REPORT OF:

REMEDIAL WORK ☐ ALTERING CASING ☐
COMMENCE DRILLING OPNS. ☒ P AND A ☐
CASING/CEMENT JOB ☒
OTHER: ☐

13. Describe proposed or completed operations. (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work). SEE RULE 19.15.7.14 NMAC. For Multiple Completions: Attach wellbore diagram of proposed completion or recompletion.

10/09/2015: Skid rig 10' west of original hole; SWD 12-3-G API # 30-021-20682. Air drill 35' of 17.5" hole and set 13 3/8" casing.
10/10/2015: WOC. Cut off conductor. MIRU. Spud well at 11:30 am. Drill 12 1/4" surface hole 35' – 553'.
10/11/2015: Drill 553' – 712' TD. Run 8 5/8", 24#, J-55 casing to 700'. Cement surface casing as follows; Lead cement 190 sx, tail cement 200 sx. Started displace, pump 2 bbl, pressure up, cement locked up. (Total cement to surface 10 bbls.)
10/12/2015: WOC. N/U BOP Drill out cement 30' – 712'. Circ hole clean and test casing to 850 psi for 30 minutes. Test passed.
10/13/2015: TIH to 712'. Circ and mix mud in system. Wash and ream production hole 712' - 982'. Drill 7 7/8" production hole 982' - 1307'.
10/14/2015: Drill production hole 1307' - 2136'.
10/15/2015: Drill production hole 2136' - 2335' TD. Trip out for logs. Log well. Run 5 1/2", 15.5#, J-55 casing.
10/16/2015: Finish running casing to 2330'. Cement production casing as follows; 20 bbl KCL 2% ahead, lead cement 115 sx 87 bbl, tail cement 125 sx 126 bbl. Displace w/55 bbl fresh water. 15 bbl cement return to surface. Final psi 550. Land plug w/1100 psi. Rig released @ 1:30 pm.

Spud Date:

10/10/2015

Rig Release Date:

10/16/2015

I hereby certify that the information above is true and complete to the best of my knowledge and belief.

SIGNATURE

Shelly Doescher

TITLE Agent

DATE 10/19/2015

Type or print name Shelly Doescher E-mail address: shelly_doescher@yahoo.com PHONE: 505-320-5682

For State Use Only

APPROVED BY:

Will Jones

TITLE

DSE IV

DATE

10/16/15

Conditions of Approval (if any)



BREITBURN

REVIEW - Daily Drilling Summary

Well Name: BREITBURN OPERATING LP 1930 SWD 12-4-G

1.0 --Report Number

10/10/2015 --Date of Report

--24 Hr Progress

State NM		County HARDING		Project LIBBY RANCH		Region NM-LIBBY RANCH CO2		Division DIVISION 5	
API # 300212068 92		Surface Legal Location		State Drilling Permit # PENDING		KB Elevation (ft)		Gr Elev (ft)	
Rig Company RELIANT E&P		Rig # 1		Start Date 10/9/2015 19:30		End Date		Spud Date 10/10/2015 00:00	
AFE #		Well Type		Total AFE (Cost)		Tgt Depth (ftKB)		Target Frm	
		CO2 SUPPLY		318,833		2,600.0		TUBB	
Daily Operations									
Operations at Report Time WOC for conductor								Status at Reporting Time DRILLING	
Operations Summary Skid rig 10 foot west. Rig up. Air drill 17.5 hole. Set 35' of 13 3/8 casing and grout in with ready mix truck. WOC									
Remarks No accident									
Next 24 Hour Plan WOC and drill 12 1/4 surface hole									
Daily Field Est Total (Cost)		Cum Field Est To Date (Cost)		Start Depth (ftKB)		End Depth (ftKB)		Depth Progress (ft)	
				0		0			
Daily Contacts									
Contact Name		Title		Mobile		Office		E-mail	
RICK EUTSLER		CONSULTANT		432-425-7910				WTXDRILL42@BREITBURN.COM	
Time Log									
Start Time	End Time	Dur (hr)	Cum Dur (hr)	Start Depth (ftKB)	End Depth (ftKB)	Phase	Operation	Unschd Typ	Com
19:30	00:00	4.50	4.50	0.0	0.0	RIG MOVE, MOVE	RIGUP & RIGDOWN		Skid rig 10 west of original hole
00:00	03:00	3.00	7.50	0.0	35.0	CONDUCTOR, SET CONDUCTOR PIPE	DRILL ACTUAL		Air drill 35' of 17.5 hole and set 13 3/8 casing grout in w/ ready mix truck.
03:00	06:00	3.00	10.50	35.0	35.0	CONDUCTOR, SET CONDUCTOR PIPE	WAIT ON CEMENT		WOC for conductor
Personnel Log									
Employee Type		Company		Count		Reg Work Time (hr)		Tot Work Time (hr)	
Mud Checks									
Date	Type	Depth (ftKB)		Source	Mud Weight (lb/gal)	Vis (s/qt)	Filtrate (mL/30min)	HTHP Filtrate (mL/30min)	Mud Lost (Hole) (bbl)
PV Overmde (cP)	YP Overmde (lb/100ft²)	pH		Gel 10 sec (lb/100ft²)	Gel 10 min (lb/100ft²)	Gel 30 min (lb/100ft²)	Vis	Vis 6rpm	Lime (lb/bbl)
Chlorides (mg/L)	Calcium (mg/L)	CaCl (ppm)	Solids (%)	LGS (%)	Sand (%)	Percent Oil (%)	Oil Water Ratio	Electric Slab (V)	MBT (lb/bbl)
Rig Fuel									
Date	Supply Item Des	Type	Unit Label	Field Est (Cost)	Received	Consumed			
Drill Bits									
Used Class	Bit Type	Size (in)	Serial Number	Make	Model	Date In	Date Out		
Drill Strings									
BHA #<stringno>, <des>									
BHA #	Bit Run	Drill Bit	Nozzles (1/32")			TFA (incl Noz) (in²)	IADC Bit Dull		
Drill String Components									
Item Des	Its	OD (in)	ID (in)	Len (ft)					
Drilling Parameters									
<depthstart> - <depthend> ftKB									
Start Date	End Date	Start Depth (ftKB)	End Depth (ftKB)	Int Depth (ft)	Cum Depth Drilled (ft)	Drilling Time (hr)	Cum Drill Time...	Circ Time (hr)	Cum Circ Tim...
RPM (rpm)	ROP Inst (min/ft)	Interval ROP (ft/hr)	Stand Pipe Pressure (psi)	Flow Rate (gpm)	Weight on Bit (1000lb)	Motor RPM (rpm)	dP (SPP) (psi)		
Pump Operations									
Pump #	Make	Model	Liner Size (in)	Stroke (in)	P Max (psi)				

B

BREITBURN

REVIEW - Daily Drilling Summary

2.0 --Report Number

10/11/2015 --Date of Report

Well Name: BREITBURN OPERATING LP 1930 SWD 12-4-G

518 --24 Hr Progress

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Daily Operations Operations at Report Time Repairing swivel Status at Reporting Time DRILLING Operations Summary WOC. Cut off conductor. M/U Bit. Drill f/ 30' - 321'. Hole packed off work tight hole pull up hole 3 jt's to free up and get circulation back wash back to bottom. Drill f/ 321 - 562. Rig repair. Trip out of hole. Repair top drive swivel packing Remarks No accidents Next 24 Hour Plan Finish repairs Drill to TD Run casing and cement Daily Field Est Total (Cost) 23,235 Cum Field Est To Date (Cost) 23,235 Start Depth (ftKB) 35 End Depth (ftKB) 553 Depth Progress (ft) 518 Avg ROP (ft/hr) 40																																																																																																			
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BREITBURN

REVIEW - Daily Drilling Summary

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3.0 --Report Number

10/12/2015 --Date of Report

159 --24 Hr Progress

State NM	County HARDING	Project LIBBY RANCH	Region NM-LIBBY RANCH CO2	Division DIVISION 5
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Well Type CO2 SUPPLY	Well Type	Total AFE (Cost) 318,833	Tgt Depth (ftKB) 2,600.0	Target Frm

Daily Operations

Operations at Report Time

WOC for surface

Status at Reporting Time

DRILLING

Operations Summary

Repair top drive packing assembly. Trip in hole to 553'. Drill f/ 553 - 712 TD. Pump sweep and circ clean. Trip out. Run 12 joints of 8 5/8. Rig crew dropped a pin inside the casing Rigged up wireline and magnet to fish out pin on top of float collar. Finish running 8 5/8 to TD. Circ & rig up hold safety meeting cement with 190 sx's lead and 200 sx's tail. Drop plug to displace and pumped 2 bbl of displace and cement locked up at 850 psi. Broke down manifold to ensure plug left head, hooked head back up and pressured up to 1800 psi with no movement. Rigged down cementers. Total cement to surface 10 bbls. WOC

Remarks

Requested lab report on water and dry samples of cement.

Next 24 Hour Plan

WOC. Drill out.

Daily Field Est Total (Cost)	Cum Field Est To Date (Cost)	Start Depth (ftKB)	End Depth (ftKB)	Depth Progress (ft)	Avg ROP (ft/hr)
41,436	64,671	553	712	159	40

Daily Contacts

Contact Name	Title	Mobile	Office	E-mail
RICK EUTSLER	CONSULTANT	432-425-7910		WTXDRILL42@BREITBURN.COM

Time Log

Start Time	End Time	Dur (hr)	Cum Dur (hr)	Start Depth (ftKB)	End Depth (ftKB)	Phase	Operation	Unschd Typ	Com
06:00	07:00	1.00	1.00	553.0	553.0	SURFACE, DRILL	REPAIR RIG	RIG REPAIRS	Repair top drive swivel packing
07:00	10:30	3.50	4.50	553.0	553.0	SURFACE, DRILL	TRIP IN HOLE	RIG REPAIRS	Trip in hole to 553'
10:30	14:30	4.00	8.50	553.0	712.0	SURFACE, DRILL	DRILL ACTUAL		Drill f/ 553 - 712 WOB 10 RPM 85 GPM 300
14:30	15:00	0.50	9.00	712.0	712.0	SURFACE, RUN & CMT CASING	COND MUD & CIRC		Pump sweep and circ clean
15:00	17:00	2.00	11.00	712.0	712.0	SURFACE, RUN & CMT CASING	TRIP OUT OF HOLE		Trip out to run casing 8 5/8
17:00	19:00	2.00	13.00	712.0	712.0	SURFACE, RUN & CMT CASING	RUN CASING		Run in hole w/ 12 joints of 8 5/8 casing. Dropped a pin inside casing.
19:00	03:00	8.00	21.00	712.0	712.0	SURFACE, RUN & CMT CASING	REPAIR RIG	NPT	Wait on wireline truck and magnet to fish out pin inside casing. Recovered pin and release wireline truck
03:00	03:30	0.50	21.50	712.0	712.0	SURFACE, RUN & CMT CASING	RUN CASING		Finish running casing to 700 feet total of 17 joints
03:30	06:00	2.50	24.00	712.0	712.0	SURFACE, RUN & CMT CASING	CEMENTING		Rig up hold safety meeting Pump 190 sx's of lead and 200 sx's of tail. Started displace and pumped 2 bbls. Cement locked up and pressured up to 850 psi removed manifold and lines to check for blockage and plug Started pumping and took pressure to 1850 with no results. Shut down and rigged down cementers

Personnel Log

Employee Type	Company	Count	Reg Work Time (hr)	Tot Work Time (hr)
Rig Crew	RELIANT EXPLORATION & PRODUCTION	5	12.00	60.00
Rig Crew	RELIANT EXPLORATION & PRODUCTION	5	12.00	60.00
Mud Loggers	WEATHERFORD US LP	2	12.00	24.00
De-Watering	TERRA SERVICES LLC	2	12.00	24.00
Mud Man	HORIZON MUD CO INC	1	24.00	24.00
Tool Pusher	RELIANT EXPLORATION & PRODUCTION	1	24.00	24.00
On-Site Supervision	HARIMAU OIL & GAS CONSULTING	1	24.00	24.00



REVIEW - Daily Drilling Summary

Well Name: BREITBURN OPERATING LP 1930 SWD 12-4-G

4.0 --Report Number
10/13/2015 ---Date of Report
270 --24 Hr Progress

State NM		County HARDING		Project LIBBY RANCH		Region NM-LIBBY RANCH CO2		Division DIVISION 5	
API # 3002120692		Surface Legal Location		State Drilling Permit # PENDING		KB Elevation (ft)		Gr Elev (ft)	
Rig Company RELIANT E&P		Rig # 1		Start Date 10/9/2015 19:30		End Date		Spud Date 10/10/2015 00:00	
Rig Start Date 10/9/2015 7:30 PM		Rig Release Date		Total AFE (Cost) 318,833		Tgt Depth (ft) 2,600.0		TUBS	
CO2 SUPPLY									
Daily Operations									
Operations at Report Time								Status at Reporting Time	
Working stuck pipe								DRILLING	
Operations Summary									
WOC. Cut off conductor and nipple up. M/U BHA and trip in 30' to cement. Drill cement to 660'. Circ hole clean and test casing to 850 psi hold for 30 minutes. Drill cement and float equipment 660 - 712'. Drill new hole f/ 712 - 982. While taking a survey pipe got stuck. Good circulation work pipe and pump water pill attempting to free pipe.									
Remarks									
No accidents									
Next 24 Hour Plan									
Free pipe and drill to TD									
Daily Field Est Total (Cost) 21,747		Curr Field Est To Date (Cost) 86,428		Start Depth (ft) 712		End Depth (ft) 982		Depth Progress (ft) 270	
Avg ROP (ft/hr) 72									
Daily Contacts									
Contact Name RICK EUTSLER		Title CONSULTANT		Mobile 432-425-7910		Office		E-mail WTXDRILL42@BREITBURN.COM	
Time Log									
Start Time	End Time	Dur (hr)	Cum Dur (hr)	Start Depth (ft)	End Depth (ft)	Phase	Operation	Unschd Typ	Com
06:00	14:00	8.00	8.00	712.0	712.0	PRODUCTION, WOC	WAIT ON CEMENT		WOC & prepare to nipple up
14:00	15:30	1.50	9.50	712.0	712.0	PRODUCTION, WOC	NU/ND BOP STACK		Nipple up BOP and flowlines
15:30	16:00	0.50	10.00	712.0	712.0	PRODUCTION, DRILL	MAKE UP BHA		Make up BHA #3
16:00	23:30	7.50	17.50	712.0	712.0	PRODUCTION, DRILL	DRILL OUT CEMENT		Drill cement f/ 30 - 660
23:30	00:30	1.00	18.50	712.0	712.0	PRODUCTION, DRILL	TEST B.O.P		Circ hole clean and test casing to 850 psi and hold for 30 minutes
00:30	01:00	0.50	19.00	712.0	712.0	PRODUCTION, DRILL	DRILL OUT CEMENT		Drill out cement and float equipment f/ 660 - 712
01:00	04:45	3.75	22.75	712.0	982.0	PRODUCTION, DRILL	DRILL ACTUAL		Drill f/ 712 - 982 WOB 6 RPM 80 GPM 300
04:45	06:00	1.25	24.00	982.0	982.0	PRODUCTION, DRILL	REAMING		While taking a survey pipe became stuck. Attempting to free pipe
Personnel Log									
Employee Type		Company		Count		Reg Work Time (hr)		Tot Work Time (hr)	
Rig Crew		RELIANT EXPLORATION & PRODUCTION		5		12.00		60.00	
Rig Crew		RELIANT EXPLORATION & PRODUCTION		5		12.00		60.00	
Mud Loggers		WEATHERFORD US LP		2		12.00		24.00	
De-Watering		TERRA SERVICES LLC		2		12.00		24.00	
Mud Man		HORIZON MUD CO INC		1		24.00		24.00	
Tool Pusher		RELIANT EXPLORATION & PRODUCTION		1		24.00		24.00	
On-Site Supervision		HARIMAU OIL & GAS CONSULTING		1		24.00		24.00	
Mud Checks									
Date	Type	Depth (ft)	Source	Mud Weight (lb/gal)	Vis (cp)	Filtrate (mL/30min)	HTHP Filtrate (mL/30min)	Mud Lost (Hole) (bbl)	Mud Lost (Surf) (bbl)
10/12/2015 18:00	WATER BASE	712	Horizon	8.5	28				
PV Override (cP)	YP Override (lb/100ft ³)	pH	Gel 10 sec (lb/100ft ³)	Gel 10 min (lb/100ft ³)	Gel 30 min (lb/100ft ³)	Vis	Vis 6rpm	Lime (lb/bbl)	
2.0	1.0	13.2	1.0	1.0	1.0	28			
Chlorides (mg/L)	Calcium (mg/L)	CaCl (ppm)	Solids (%)	LGS (%)	Sand (%)	Percent Oil (%)	Oil Water Ratio	Electric Stab (V)	MBT (lb/bbl)
1,800			1.2			0/100			0.0
Rig Fuel									
Date	Supply Item Des	Type	Unit Label	Field Est (Cost)	Received	Consumed			
Drill Bits									
Used Class	Bit Type	Size (in)	Serial Number	Make	Model	Date In	Date Out		
New	PDC	7 7/8		VAREL	RS716SDR	10/13/2015 01:00	10/13/2015 04:30		



BREITBURN

REVIEW - Daily Drilling Summary

Well Name: BREITBURN OPERATING LP 1930 SWD 12-4-G

5.0 --Report Number

10/14/2015 --Date of Report

325 --24 Hr Progress

State NM		County HARDING		Project LIBBY RANCH		Region NM-LIBBY RANCH CO2		Division DIVISION 5	
API # 3002120692		Surface Legal Location		State Drilling Permit # PENDING		KB Elevation (ft)		Gr Elev (ft)	
Rig Company RELIANT E&P		Rig # 1		Start Date 10/9/2015 19:30		End Date		Spud Date 10/10/2015 00:00	
						Rig Start Date 10/9/2015 7:30 PM		Rig Release Date	
AFE #		Well Type CO2 SUPPLY		Total AFE (Cost) 318,833		Tgt Depth (ftKB) 2,600.0		Target Firm TUBB	
Daily Operations									
Operations at Report Time Drilling 7 7/8 hole @ 1307'								Status at Reporting Time DRILLING	
Operations Summary Work stuck pipe and clean pits, Spot 20 bbl of diesel to free pipe w/ no success. Rig up air compressor to unload well bore and freed drill string. Trip out to check connections for over torque. Trip to shoe @ 710'. Mix mud, wash and ream to bottom @ 982'. Drill ft 982 - 1307'									
Remarks No accidents									
Next 24 Hour Plan Drill to TD									
Daily Field Est Total (Cost) 32,705		Cum Field Est To Date (Cost) 119,133		Start Depth (ftKB) 982		End Depth (ftKB) 1,307		Depth Progress (ft) 325	
								Avg ROP (ft/hr) 41	
Daily Contacts									
Contact Name RICK EUTSLER		Title CONSULTANT		Mobile 432-425-7910		Office		E-mail WTXDRILL42@BREITBURN.COM	
Time Log									
Start Time	End Time	Dur (hr)	Cum Dur (hr)	Start Depth (ftKB)	End Depth (ftKB)	Phase	Operation	Unschd Type	Com
06:00	16:30	10.50	10.50	982.0	982.0	PRODUCTION, DRILL	FISHING	FISHING OR STUCK PIPE	Working stuck pipe, Cleaning pit of solids to lower mud weight. Spot diesel attempting to free pipe. Rig up air compressor and unload fluid from well bore freeing pipe
16:30	18:30	2.00	12.50	982.0	982.0	PRODUCTION, DRILL	TRIP OUT OF HOLE		Trip out of hole checking string due to over torquing pipe while trying to get unstuck
18:30	19:30	1.00	13.50	982.0	982.0	PRODUCTION, DRILL	TRIP IN HOLE		Trip in hole to 712'
19:30	21:30	2.00	15.50	982.0	982.0	PRODUCTION, DRILL	COND MUD & CIRC		Circ and mix mud in system
21:30	22:00	0.50	16.00	982.0	982.0	PRODUCTION, DRILL	REAMING		Wash and ream to bottom ft 712 - 982
22:00	06:00	8.00	24.00	982.0	1,307.0	PRODUCTION, DRILL	DRILL ACTUAL		Drill ft 982 - 1307 WOB 5-6k RPM 100 GPM 300
Personnel Log									
Employee Type		Company		Count		Reg Work Time (hr)		Tot Work Time (hr)	
Rig Crew		RELIANT EXPLORATION & PRODUCTION		5		12.00		60.00	
Rig Crew		RELIANT EXPLORATION & PRODUCTION		5		12.00		60.00	
Mud Loggers		WEATHERFORD US LP		2		12.00		24.00	
De-Watering		TERRA SERVICES LLC		2		12.00		24.00	
Mud Man		HORIZON MUD CO INC		1		24.00		24.00	
Tool Pusher		RELIANT EXPLORATION & PRODUCTION		1		24.00		24.00	
On-Site Supervision		HARIMAU OIL & GAS CONSULTING		1		24.00		24.00	
Mud Checks									
Date 10/13/2015 22:00	Type WATER BASE	Depth (ftKB) 1,015	Source Horizon	Mud Weight (lb/gal) 8.5	Vis (sq/ft) 34	Filtrate (mL/30min)	HTHP Filtrate (mL/...)	Mud Lost (Hole) (bbl)	Mud Lost (Surf) (b...)
PV Override (cP) 4.0	YP Override (lb/100ft ²) 4.0	pH 10.5	Gel 10 sec (lb/100ft ²) 1.0	Gel 10 min (lb/100ft ²) 1.0	Gel 30 min (lb/100ft ²) 1.0	Vis 34	Vis 6rpm	Lime (lb/bbl)	
Chlorides (mg/L) 400	Calcium (mg/L)	CaCl (ppm)	Solids (%) 1.3	LGS (%)	Sand (%)	Percent Oil (%)	Oil Water Ratio 0/100	Electric Stab (V)	MBT (lb/bbl) 5.0
Rig Fuel									
Date	Supply Item Des	Type	Unit Label	Field Est (Cost)	Received	Consumed			
Drill Bits									
Used Class New	Bit Type PDC	Size (in) 7 7/8	Serial Number	Make VAREL	Model RS716SDR	Date In 10/13/2015 01:00	Date Out 10/14/2015 06:00		
Drill Strings									
BHA #3: PRODUCTION									
BHA #	Bit Run 31	Drill Bit 7 7/8in, RS716SDR, <sn>	Nozzles (1/32") 13/13/13/15/15	TFA (Incl Noz) (in ²) 0.91	IADC Bit Coll				

REVIEW - Daily Drilling Summary

6.0 -Report Number

10/15/2015 --Date of Report

829 -24 Hr Progress

B
BREITBURN

Well Name: BREITBURN OPERATING LP 1930 SWD 12-4-G

State NM		County HARDING		Project LIBBY RANCH		Region NM-LIBBY RANCH CO2		Division DIVISION 5					
API # 3002120692		Surface Legal Location		State Drilling Permit # PENDING		KB Elevation (ft)		Gr Elev (ft)		Project LIBBY RANCH		Well Status DRILLING	
Rig Company RELIANT E&P		Rig # 1	Start Date 10/9/2015 19:30		End Date	Spud Date 10/10/2015 00:00		Rig Start Date 10/9/2015 7:30 PM		Rig Release Date			
Well Type CO2 SUPPLY		Well Type		Total AFE (Cost) 318,833		Tgt Depth (ftKB) 2,600.0		Target Frm TUBB					

Daily Operations

Operations at Report Time

Drilling @ 2136'

Status at Reporting Time

DRILLING

Operations Summary

Drill f/ 1307 - 2136'

Remarks

No accidents. Welder set a fire by generator for rig due to a diesel spill. Fire was put out and no damage to equipment

Next 24 Hour Plan

Drill to TD and log well

Daily Field Est Total (Cost)	Cum Field Est To Date (Cost)	Start Depth (ftKB)	End Depth (ftKB)	Depth Progress (ft)	Avg ROP (ft/hr)
18,063	137,196	1,307	2,136	829	35

Daily Contacts

Contact Name	Title	Mobile	Office	E-mail
RICK EUTSLER	CONSULTANT	432-425-7910		WTXDRILL42@BREITBURN.COM

Time Log

Start Time	End Time	Dur (hr)	Cum Dur (hr)	Start Depth (ftKB)	End Depth (ftKB)	Phase	Operation	Unschd Typ	Com
06:00	18:00	12.00	12.00	1,307.0	1,670.0	PRODUCTION, DRILL	DRILL ACTUAL		Drill f/ 1307 - 1670' WOB 8 - 10k RPM 100 GPM 320 MSE 19.0
18:00	06:00	12.00	24.00	1,670.0	2,136.0	PRODUCTION, DRILL	DRILL ACTUAL		Drill f/ 1670 - 2136' WOB 8 - 10 k RPM 85 GPM 300

Personnel Log

Employee Type	Company	Count	Rog Work Time (hr)	Tot Work Time (hr)
Rig Crew	RELIANT EXPLORATION & PRODUCTION	5	12.00	60.00
Rig Crew	RELIANT EXPLORATION & PRODUCTION	5	12.00	60.00
Mud Loggers	WEATHERFORD US LP	2	12.00	24.00
De-Watering	TERRA SERVICES LLC	2	12.00	24.00
Mud Man	HORIZON MUD CO INC	1	24.00	24.00
Tool Pusher	RELIANT EXPLORATION & PRODUCTION	1	24.00	24.00
On-Site Supervision	HARIMAU OIL & GAS CONSULTING	1	24.00	24.00

Mud Checks

Date 10/14/2015 17:00	Type WATER BASE	Depth (ftKB) 1,681	Source Horizon	Mud Weight (lb/gal) 8.6	Vis (s/qt) 35	Filtrate (mL/30min)	HTHP Filtrate (mL/30min)	Mud Lost (Hole) (bbl)	Mud Lost (Surf) (bbl)
PV Override (cP) 3.0	YP Override (lb/100ft ³) 8.0	pH 9.2	Gel 10 sec (lb/100ft ³)	Gel 10 min (lb/100ft ³) 1.0	Gel 30 min (lb/100ft ³) 1.0	Vis 35	Vis 6rpm	Lime (lb/bbl)	
Chlorides (mg/L) 500	Calcium (mg/L)	CaCl (ppm)	Solids (%) 2.0	LGS (%) 2.0	Sand (%)	Percent Oil (%)	Oil Water Ratio 0/100	Electric Slab (V)	MBT (lb/bbl) 3.0

Rig Fuel

Date	Supply Item Des	Type	Unit Label	Field Est (Cost)	Received	Consumed
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Drill Bits

Used Class	Bit Type	Size (in)	Serial Number	Make	Model	Date In	Date Out
New	PDC	7 7/8		VAREL	RS716SDR	10/13/2015 01:00	10/15/2015 06:00

Drill Strings

BHA #3, PRODUCTION

BHA # 31	Bit Run 7 7/8in, RS716SDR, <sn>	Nozzles (1/32") 13/13/13/15/15/15	TFA (incl Noz) (in) 0.91	IADC Bit Dull
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Drill String Components

Item Des	Size (in)	OD (in)	ID (in)	Len (ft)
DRILL PIPE	65	4 1/2		1,964.70
XO SUB	1	4 1/2		2.25
DRILL COLLAR	5	5 1/2		150.10
XO SUB	1	5 1/2		0.99
TELEDRIPT	1	5 1/2		14.93
XO SUB	1	5 1/2		1.00
BIT SUB W/FLOAT	1	5 1/2		1.53



BREITBURN

REVIEW - Daily Drilling Summary

Well Name: BREITBURN OPERATING LP 1930 SWD 12-4-G

7.0 --Report Number

10/16/2015 ---Date of Report

199 --24 Hr Progress

State NM		County HARDING		Project LIBBY RANCH		Region NM-LIBBY RANCH CO2		Division DIVISION 5																																																																																											
API # 3002120692		Surface Logal Location		State Drilling Permit # PENDING		KB Elevation (ft)		Gr Elev (ft)																																																																																											
Rig Company RELIANT E&P		Rig # 1		Start Date 10/9/2015 19:30		End Date		Spud Date 10/10/2015 00:00																																																																																											
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AFE #		Well Type CO2 SUPPLY		Total AFE (Cost) 318,833		Tgt Depth (ftKB) 2,600.0		TUBB																																																																																											
Daily Operations Operations at Report Time Running in hole w/ 5.5 casing Status at Reporting Time DRILLING Operations Summary Drill f/ 2136 - 2335. Circu, Wiper trip to 8 5/8 shoe. Circulate. Trip out for logs. Log well. Nipple down install well head. Run in hole w/ 5.5 production casing. Remarks No accidents Next 24 Hour Plan Finish running casing Cement and release rig																																																																																																			
Daily Field Est Total (Cost) 34,939		Cum Field Est To Date (Cost) 172,135		Start Depth (ftKB) 2,136		End Depth (ftKB) 2,335		Depth Progress (ft) 199																																																																																											
								Avg ROP (ft/hr) 33																																																																																											
Daily Contacts <table border="1"> <tr> <th>Contact Name</th> <th>Title</th> <th>Mobile</th> <th>Office</th> <th>E-mail</th> </tr> <tr> <td>RICK EUTSLER</td> <td>CONSULTANT</td> <td>432-425-7910</td> <td></td> <td>WTXDRILL42@BREITBURN.COM</td> </tr> </table>										Contact Name	Title	Mobile	Office	E-mail	RICK EUTSLER	CONSULTANT	432-425-7910		WTXDRILL42@BREITBURN.COM																																																																																
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BREITBURN

REVIEW - Daily Drilling Summary

8.0 --Report Number

10/16/2015 --Date of Report

0 --24 Hr Progress

Well Name: BREITBURN OPERATING LP 1930 SWD 12-4-G

State NM		County HARDING		Project LIBBY RANCH		Region NM-LIBBY RANCH CO2		Division DIVISION 5	
API # 3002120692		Surface Legal Location		State Drilling Permit # PENDING		KB Elevation (ft)		Gr Elev (ft)	
Rig Company RELIANT E&P		Rig # 1		Start Date 10/9/2015 19:30		End Date 10/16/2015 13:30		Spud Date 10/10/2015 00:00	
Rig Start Date 10/9/2015 7:30 PM		Rig Release Date 10/16/2015 13:30		Project LIBBY RANCH		Well Status DRILLING			
AFE #		Well Type		Total AFE (Cost)		Tgt Depth (ftKB)		Target Frm	
		CO2 SUPPLY		318,833		2,600.0		TUBB	
Daily Operations									
Operations at Report Time								Status at Reporting Time	
Rigging down to move								DRILLING	
Operations Summary									
Finish running 5.5 casing to 2330'. Circulate while rigging up cementers. Hold safety meeting and cement w/ 115 sx's of lead & 125 sx's of tail Displace w/ 54.4 bbl of water. Final psi 550 Land plug w/ 1100 psi. 15 bbl of cement return to surface. Rigging down and clean pits. Rig released @ 13:30									
Remarks									
No accidents									
Next 24 Hour Plan									
Rig down and move to next location									
Daily Field Est Total (Cost)		Cum Field Est To Date (Cost)		Start Depth (ftKB)		End Depth (ftKB)		Depth Progress (ft)	
58,132		288,197		2,335		2,335		0	
Daily Contacts									
Contact Name		Title		Mobile		Office		E-mail	
RICK EUTSLER		CONSULTANT		432-425-7910				WTXDRILL42@BREITBURN.COM	
Time Log									
Start Time	End Time	Dur (hr)	Cum Dur (hr)	Start Depth (ftKB)	End Depth (ftKB)	Phase	Operation	Unschd Typ	Com
06:00	08:00	2.00	2.00	2,335.0	2,335.0	PRODUCTION, RUN & CMT CASING	RUN CASING		Run 56 jt's of 5.5 15.5# LTC
08:00	09:30	1.50	3.50	2,335.0	2,335.0	PRODUCTION, RUN & CMT CASING	COND MUD & CIRC		Circ, set slips on well head. Rig up lines on well head for returns. Rig up cementers
09:30	11:00	1.50	5.00	2,335.0	2,335.0	PRODUCTION, RUN & CMT CASING	CEMENTING		Hold safety meeting. Test lines 2500 psi Cement w/ 20 bbl KCL 2 % ahead, 87 bbl of 115 sx's lead, 126 bbl, 125 sx's tail displace w/ 55 bbl fresh water Final psi 550 Land plug w/ 1100 psi. 15 bbl returns to surface
11:00	13:30	2.50	7.50	2,335.0		PRODUCTION, R/D - R/R	RIGUP & RIGDOWN		Rig down Clean pits. Release rig @ 13:30
Personnel Log									
Employee Type		Company		Count		Reg Work Time (hr)		Tot Work Time (hr)	
Rig Crew		RELIANT EXPLORATION & PRODUCTION		5		12.00		60.00	
Rig Crew		RELIANT EXPLORATION & PRODUCTION		5		12.00		60.00	
Mud Loggers		WEATHERFORD US LP		2		12.00		24.00	
De-Watering		TERRA SERVICES LLC		2		12.00		24.00	
Loggers		WEATHERFORD US LP		2		6.00		12.00	
Mud Man		HORIZON MUD CO INC		1		24.00		24.00	
Tool Pusher		RELIANT EXPLORATION & PRODUCTION		1		24.00		24.00	
On-Site Supervision		HARIMAU OIL & GAS CONSULTING		1		24.00		24.00	
Mud Checks									
Date	Type	Depth (ftKB)	Source	Mud Weight (lb/gal)	Vis (s/qt)	Filtrate (mL/30min)	HTHP Filtrate (mL/...	Mud Lost (Hole) (bbl)	Mud Lost (Surf) (b...
PV Override (cP)	YP Override (lb/100ft²)	pH	Gel 10 sec (lb/100ft²)	Gel 10 min (lb/100ft²)	Gel 30 min (lb/100ft²)	Vis	Vis 6rpm	Lime (lb/bbl)	
Chlorides (mg/L)	Calcium (mg/L)	CaCl (ppm)	Solids (%)	LGS (%)	Sand (%)	Percent Oil (%)	Oil Water Ratio	Electric Stab (V)	MBT (lb/bbl)
Rig Fuel									
Date	Supply Item Des	Type	Unit Label	Field Est (Cost)	Received	Consumed			
Drill Bits									
Used Class	Bit Type	Size (in)	Serial Number	Make	Model	Date In	Date Out		
Drill Strings									
BHA #<stringno>; <des>									
BHA #	Bit Run	Drill Bit	Nozzles (1/32")	TFA (incl Noz) (in³)	ADC Bit Oull				