

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

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.)		WELL API NO. 30-021-20691
1. Type of Well: Oil Well ☐ Gas Well ☒ Other CO2 ☐		5. Indicate Type of Lease STATE ☐ FEE ☒
2. Name of Operator Breitburn Operating LP		6. State Oil & Gas Lease No.
3. Address of Operator 1401 McKinney Houston, Texas 77010		7. Lease Name or Unit Agreement Name Libby Minerals LLC 2030 COM
4. Well Location Unit Letter O: 1170 feet from the South line and 1500 feet from the East line Section 13 Township 20N Range 30E NMPM Harding County		8. Well Number 13-1-O
11. Elevation (Show whether DR, RKB, RT, GR, etc.) 4568' GR		9. OGRID Number 370080
		10. Pool name or Wildcat Bravo Dome Carbon Dioxide Gas 640

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: ☐

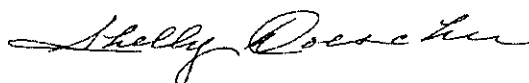
13. Describe proposed or completed operations. (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work). SEE RULE 19.15.7.14 NMAC. For Multiple Completions: Attach wellbore diagram of proposed completion or recompletion.

10/16/2015 MIRU. Drill 17.5" conductor hole. Run 13 3/8" tubing to 30'. Cement conductor w/16sx. WOC
10/17/2015 WOC Spud well @ 1:30 PM. Drill 12 1/4" surface hole from 0' - 417'. Began getting circulation around conductor hole @ 50'. Washed out on outside of cellar ring. SD
10/18/2015 Cement back side of conductor due to wash out w/ 53 bbls, 250 sx, 15.6#. Drill 417' - 720' surface TD.
10/19/2015 Run 8 5/8", 24#, J-55 casing to 710'. Lead cement as follows; 190 sx 85/15, 6% gel, 3% CC, 1/4# Flo Seal. Tail cement as follows; 200 sx Class C, 2% CC, 1/4# Flo Seal. Displace w/43 bbls fresh water. 55 bbls cement return to surface.

Spud Date: 10/17/2015

Rig Release Date:

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

SIGNATURE 

TITLE Agent DATE: 10/20/2015

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

APPROVED BY:  TITLE DIST IV Supervisor DATE 10/22/15

B

BREITBURN

REVIEW - Daily Drilling Summary

1.0 -Report Number

Well Name: LIBBY MINERALS LLC 2030 13-1-O

10/17/2015 --Date of Report

30 --24 Hr Progress

State NM		County HARDING		Project LIBBY RANCH		Region NM-LIBBY RANCH CO2		Division DIVISION 5	
API # 3002120691		Surface Legal Location O13 20N 30E, NMPM		State Drilling Permit # 20691		KB Elevation (ft) 4,575.00		Gr Elev (ft) 4,567.00	
Rig Company RELIANT E&P		Rig # 1		Start Date 10/16/2015 13:30		End Date 10/16/2015 18:00		Rig Start Date 10/16/2015 1:30 PM	
AFE # AFE000431		CO2 SUPPLY		Total AFE (Cost) 318,033		Tgt Depth (ft) 2,600.0		TUBB	
Daily Operations									
Operations at Report Time WOC for conductor								Status at Reporting Time DRILLING	
Operations Summary Move in and rig up. Drill and set 30 feet of conductor. Cement w/ 16 sx's of cement. WOC									
Remarks No accidents									
Next 24 Hour Plan WOC, Drill 12 1/4 surface hole									
Daily Field Est Total (Cost) 15,726		Cum Field Est To Date (Cost) 15,726		Start Depth (ftKB) 0		End Depth (ftKB) 30		Depth Progress (ft) 30	
								Avg ROP (ft/hr) 12	
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
13:30	18:00	4.50	4.50	0.0	0.0	RIG MOVE, MOVE	RIGUP & RIGDOWN		Move rig and rig up. Fill pits
18:00	20:30	2.50	7.00	0.0	30.0	CONDUCTOR, SET CONDUCTOR PIPE	DRILL ACTUAL		Drill 17.5 conductor hole
20:30	22:00	1.50	8.50	30.0	30.0	CONDUCTOR, SET CONDUCTOR PIPE	RUN CASING		Trip out and run one joint of 13 3/8 casing
22:00	23:30	1.50	10.00	30.0	30.0	CONDUCTOR, SET CONDUCTOR PIPE	CEMENTING		Mix and grout in conductor w/ 16 sx's of cement
23:30	06:00	6.50	16.50	30.0	30.0	CONDUCTOR, SET CONDUCTOR PIPE	WAIT ON CEMENT		Wait on cement
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	
On-Site Supervision		HARIMAU OIL & GAS CONSULTING		1		24.00		24.00	
Tool Pusher		RELIANT EXPLORATION & PRODUCTION		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) (bbl)
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	Line (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 Desc	Type	Unit Label	Field Est (Cost)	Received	Consumed			
Drill Bits									
Used Class	Bit Type	Size (in)	Serial Number	Make	Model	Date In	Date Out		
Used	TRICONE	17 1/2	1446107	VAREL	HR04JMRS	10/16/2015 18:00	10/16/2015 20:30		
Drill Strings									
BHA #1 CONDUCTOR									
BHA #	Bit Run	Drill Bit	Nozzles (1/32")	TFA (Incl Noz) (in²)	IADC Bit Dull				
1	1	17 1/2in, HR04JMRS, 1446107	13/13/13	0.26	1-1-NO-A-1-0-NO-TD				



BREITBURN

REVIEW - Daily Drilling Summary

Well Name: LIBBY MINERALS LLC 2030 13-1-O

2.0 --Report Number

10/18/2015 --Date of Report

387 --24 Hr Progress

State NM		County HARDING		Project LIBBY RANCH		Region NM-LIBBY RANCH CO2		Division DIVISION 5	
API # 300212069		Surface Legal Location O13 20N 30E, NMPM		State Drilling Permit # 20691		KB Elevation (ft) 4,575.00		Gr Elev (ft) 4,567.00	
Rig Company RELIANT E&P		Rig # 1		Start Date 10/16/2015 13:30		End Date 10/16/2015 18:00		Rig Start Date 10/16/2015 1:30 PM	
AFE # AFE000431		Well Type CO2 SUPPLY		Total AFE (Cost) 316,033		Tgt Depth (ftKB) 2,600.0		Tgt Depth (ft) TUBB	
Daily Operations									
Operations at Report Time Waiting on cementers & welder due to wash out around Conductor								Status at Reporting Time DRILLING	
Operations Summary WOC. Spud 12 1/4 hole @ 13:30 Drill form 0 - 417'. Strated gettig circulation around conductor @ 50', Washed out on outside of cellar ring. Shut down and tripped out Waiting on welder and cementers to correct problems.									
Remarks No accidents									
Next 24 Hour Plan Cement up washout and continue drilling surface hole									
Daily Field Est Total (Cost) 82,086		Cum Field Est To Date (Cost) 97,812		Start Depth (ftKB) 30		End Depth (ftKB) 417		Depth Progress (ft) 387	
								Avg ROP (ft/hr) 37	
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 Typ	Com
06:00	13:30	7.50	7.50	30.0	30.0	CONDUCTOR, SET CONDUCTOR PIPE	WAIT ON CEMENT		Wait on cement for conductor
13:30	00:00	10.50	18.00	30.0	417.0	SURFACE, DRILL	DRILL ACTUAL		Drill ft 30 - 417. Conductor washed w/ returns coming up in cellar @ 50', Wash out on the out side of the cellar at 417'
00:00	01:00	1.00	19.00	417.0	417.0	SURFACE, DRILL	TRIP OUT OF HOLE		Trip out of hole
01:00	06:00	5.00	24.00	417.0	417.0	SURFACE, DRILL	WAITING ON		Waiting on welder and cementers to attempt to cement up wash out around conductor
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	
On-Site Supervision		HARIMAU OIL & GAS CONSULTING		1		24.00		24.00	
Tool Pusher		RELIANT EXPLORATION & PRODUCTION		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) (bbl)
PV Override (cP)	YP Override (lb/100ft ²)	pH	Gel 10 sec (lb/100ft ²)	Gel 10 min (lb/100ft ²)	Gel 30 min (lb/100ft ²)	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 Desc	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	TRICONE	12 1/4		VAREL	HR04JMRS	10/17/2015 13:30	10/18/2015 00:00		
Drill Strings									
BHA #2, PRODUCTION									
BHA #	Bit Run	Drill Bit	Nozzles (1/32")	TFA (incl Noz) (in)	IADC Bit Dull				
21		12 1/4in, HR04JMRS, <sn>	13/13/13		0.39				
Drill String Components									
Item Desc	Units	OD (in)	ID (in)	Len (ft)					
DRILL PIPE	8	4 1/2		245.00					
XO SUB	1	4 1/2		1.36					
DRILL COLLAR	5	5 1/2		150.10					
XO SUB	1	5 1/2		0.98					
TELEDRIFT	1	5 1/2		14.95					

B

BREITBURN

REVIEW - Daily Drilling Summary

Well Name: LIBBY MINERALS LLC 2030 13-1-O

3.0 -Report Number

10/19/2015 -Date of Report

303 -24 Hr Progress

State NM		County HARDING		Project LIBBY RANCH		Region NM-LIBBY RANCH CO2		Division DIVISION 5																																																																																											
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Rig Release Date		Well Type CO2 SUPPLY		Total AFE (Cost) 316,033		Tgt Depth (ftKB) 2,600.0		Target Frm																																																																																											
Daily Operations Operations at Report Time Tripping back to bottom to clean up tight hole Status at Reporting Time DRILLING Operations Summary Wait on cementers. Cement back side of conductor due to wash out. Cement w/ 53 bbl down backside. Drill ft/ 427 - 720'. Pump sweep and circ clean. Trip out to bit with tight hole and reaming. Trip back to bottom to clean up tight spot before running casing. Remarks No accidents Next 24 Hour Plan Wiper trip to bottom, Trip out and run casing and cement Daily Field Est Total (Cost) 28,407 Cum Field Est To Date (Cost) 126,219 Start Depth (ftKB) 417 End Depth (ftKB) 720 Depth Progress (ft) 303 Avg ROP (ft/hr) 35																																																																																																			
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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REVIEW - Daily Drilling Summary

Well Name: LIBBY MINERALS LLC 2030 13-1-O

4.0 --Report Number

10/20/2015 --Date of Report

0 --24 Hr Progress

State NM		County HARDING		Project LIBBY RANCH		Region NM-LIBBY RANCH CO2		Division DIVISION 5	
API # 300212069		Surface Legal Location O13 20N 30E, NMPM		State Drilling Permit # 20691		KB Elevation (ft) 4,575.00		Gr Elev (ft) 4,567.00	
Rig Company RELIANT E&P		Rig # 1		Start Date 10/16/2015 13:30		End Date 10/16/2015 18:00		Rig Start Date 10/16/2015 1:30 PM	
AFEE # AFEE000431		Well Type CO2 SUPPLY		Total AFE (Cost) 316,033		Tgt Depth (ftKB) 2,600.0		Target Frm TUBB	
Daily Operations									
Operations at Report Time Tripping in hole to test casing.								Status at Reporting Time DRILLING	
Operations Summary Finish wiper trip to bottom. Pump sweep and circ clean. Trip out to run 8 5/8 casing. Run 17 jts of * 5/8 to 710'. Rig up cementers and cement w/ 190 sx's lead & 200 sx's tail w/ 55 bbl's of cement returned to surface. WOC 8 hours. Cut off conductor / lay down landing joint and nipple up. Trip in hole									
Remarks No accidents									
Next 24 Hour Plan Test casing. Drill out cement & float equipment. Drill 7 7/8 production hole									
Daily Field Est Total (Cost) 51,091		Cum Field Est To Date (Cost) 191,578		Start Depth (ftKB) 720		End Depth (ftKB) 720		Depth Progress (ft) 0	
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 Typ	Com
06:00	07:30	1.50	1.50	720.0	720.0	WIPER TRIP/C&C, WIPER TRIP/CLN/COND	TRIP IN HOLE		Finish tripping in hole for wiper trip
07:30	08:00	0.50	2.00	720.0	720.0	WIPER TRIP/C&C, WIPER TRIP/CLN/COND	COND MUD & CIRC		Pump sweep and circ clean
08:00	09:30	1.50	3.50	720.0	720.0	WIPER TRIP/C&C, WIPER TRIP/CLN/COND	TRIP OUT OF HOLE		Trip out to run 8 5/8 casing
09:30	15:00	5.50	9.00	720.0	720.0	SURFACE, RUN & CMT CASING	RUN CASING		Run 17 jts of 8 5/8 casing 24# 710'. Had problems making up pipe due to settling of sub. Layed down two joints due to thread damage. Adjusted and leveled rig. All joint were screwed together proper and buried threads.
15:00	16:30	1.50	10.50	720.0	720.0	SURFACE, RUN & CMT CASING	CEMENTING		Rig up cementer, Held safety meeting. Cement w/ 3 bbl spacer ahead, 190 sx's of lead, 200 sx's of tail, displaced w/ 43 bbl of water. 55 bbl returns to surface.
16:30	00:30	8.00	18.50	720.0	720.0	SURFACE, BOP	WAIT ON CEMENT		WOC. clean pits and went through pumps
00:30	03:30	3.00	21.50	720.0	720.0	SURFACE, BOP	NU/ND BOP STACK		L/D landing joint Cut off conductor. Nipple up and install flow lines.
03:30	06:00	2.50	24.00	720.0	720.0	PRODUCTION, DRILL	TRIP IN HOLE		Make up BHA and trip in hole
Personnel Log									
Employee Type	Company	Count	Reg Work Time (hr)	Tot Work Time (hr)					
Rig Crew	RELIANT EXPLORATION & PRODUCTION	5	12.00	60.00					
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On-Site Supervision	HARIMAU OIL & GAS CONSULTING	1	24.00	24.00					
Tool Pusher	RELIANT EXPLORATION & PRODUCTION	1	24.00	24.00					