

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.

30-021-20686

5. Indicate Type of Lease

STATE ☐ FEE ☒

6. State Oil & Gas Lease No.

7. Lease Name or Unit Agreement Name

Libby Minerals LLC 1931

8. Well Number 23-2-K

9. OGRID Number

370080

10. Pool name or Wildcat

Bravo Dome Carbon Dioxide Gas 640

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

Breithurn Operating LP

3. Address of Operator

1401 McKinney Houston, Texas 77010

4. Well Location

Unit Letter K: 1400 feet from the South line and 1400 feet from the West line

Section 23

Township 19N

Range 31E

NMPM

Harding County

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

4453' GR

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

NOTICE OF INTENTION TO:

PERFORM REMEDIAL WORK ☐

TEMPORARILY ABANDON ☐

PULL OR ALTER CASING ☐

DOWNHOLE COMMINGLE ☐

CLOSED-LOOP SYSTEM ☐

OTHER: ☐

PLUG AND ABANDON ☐

CHANGE PLANS ☐

MULTIPLE COMPL ☐

SUBSEQUENT REPORT OF:

REMEDIAL WORK ☐

COMMENCE DRILLING OPNS. ☒

CASING/CEMENT JOB ☒

OTHER: ☐

ALTERING CASING ☐

P AND A ☐

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.

09/30/2015: MIRU Drill 17.5" conductor hole 0-31'. Run in hole 31' of 16" conductor. Mix and grout in 20 sx cement. WOC Spud well at 2:00 pm. Drill 12 1/4" hole 31' to 300'.

10/01/2015: Drill 12 1/4" hole 300-710'. RU and run 8 5/8", 24#, J-55 casing to 710'. Cement surface casing as follows: Lead cement 190 sx 12.8#. 1.97 yield. Tail cement 200 sx, 14.8#, 1.36 yield. Displace w/ 41.7 bbl fresh water. 45 bbl cement return to surface.

10/02/2015: WOC NU BOP Test casing to 630 psi and hold for 30 minutes. Test passed. Drill 7 7/8" production hole 710' - 1130'.

10/03/2015 Drill 1130' - 1972'.

10/04/2015: Drill 1972' - 2330'. Log well. Run 2330' of 4.5", 11.60#, J-55 casing. Lead cement 150 sx, Tail cement 160 sx. 0 bbls of cement to surface. Clean pits. RD Rig released at 10:00 pm.

Production casing will be pressure tested prior to completion operations.

Spud Date:

09/30/2015

Rig Release Date:

10/04/2015

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: 10/06/2015

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

For State Use Only

APPROVED BY

[Signature]

TITLE DIST IV Supervisor

DATE 10/11/15

Conditions of Approval (if any):



BREITBURN

REVIEW - Daily Drilling Summary

Well Name: LIBBY MINERALS LLC 1931 23-2-K

2.0 --Report Number
10/1/2015 --Date of Report
300 --24 Hr Progress

State NM		County HARDING		Project LIBBY RANCH		Region NM-LIBBY RANCH CO2		Division DIVISION 5	
API # 3002120686		Surface Legal Location K 23 19N 31E, N.M.P.M.		State Drilling Permit # 20686		KB Elevation (ft) 4,461.00		Gr Elev (ft) 4,453.00	
Project LIBBY RANCH		Well Status DRILLING		Rig Company RELIANT E&P		Rig # 1		Start Date 9/29/2015 21:00	
End Date		Spud Date		Rig Start Date 9/29/2015 9:00 PM		Rig Release Date			
AFE # AFE000432		Well Type CO2 SUPPLY		Total AFE (Cost) 316,033		Tgt Depth (ftKB) 2,600.0		Target Frm TUBB	
Daily Operations									
Operations at Report Time Drilling surface hole @ 300'									
Status at Reporting Time DRILLING									
Operations Summary Move and rig up. Drill & set 31' of 16" conductor and grout in w/ 20 sx's of cement. WOC Drill 12 1/4 hole from 31-300'									
Remarks No accidents. Notify state of spud.									
Next 24 Hour Plan Drill 12 1/4 hole to TD Run 8 5/8 casing and cement.									
Daily Field Est Total (Cost) 20,565		Cum Field Est To Date (Cost) 93,560		Start Depth (ftKB) 0		End Depth (ftKB) 300		Depth Progress (ft) 300	
Avg ROP (ft/hr) 38									
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	14:00	8.00	8.00	0.0	0.0	RIG MOVE, MOVE	RIGUP & RIGDOWN		Move and rig up.
14:00	17:00	3.00	11.00	0.0	31.0	RIG MOVE, MOVE	DRILL ACTUAL		Make up bit and drill 17.5 conductor hole. Droll f/ 0 - 31'
17:00	19:00	2.00	13.00	31.0	31.0	RIG MOVE, MOVE	CEMENTING		Run in hole 31' of 16" conductor. Mix and grout in 20 sx's of cement.
19:00	01:00	6.00	19.00	31.0	31.0	RIG MOVE, MOVE	WAIT ON CEMENT		WOC while rigging up solids control equipment.
01:00	06:00	5.00	24.00	31.0	300.0	RIG MOVE, MOVE	DRILL ACTUAL		Drill f/ 31' - 300' WOB 5-10k RPM 90 GPM 285
Personnel Log									
Employee Type	Employee Name		Company		Count	% Reg Work Time (hr)	Tot Work Time (hr)		
Rig Crew			RELIANT E&P		5	12.00	60.00		
Rig Crew			RELIANT E&P		5	12.00	60.00		
Tool Pusher			RELIANT E&P		1	24.00	24.00		
Mud Man			Horizon Mud Company		1		0.00		
On-Site Supervision			HARIMAU OIL & GAS CONSULTING		1	24.00	24.00		
Mud Checks									
Date 9/30/2015 05:30	Type WATER BASE	Depth (ftKB) 290	Source Horizon	Mud Weight (lb/gal) 8.3	Vis (s/qt) 28	Filtrate (mL/30min)	HTHP Filtrate (mL/...	Mud Lost (Hole) (bbl)	Mud Lost (Surf) (b...
PV Overide (cP)	YP Overide (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 Used	Bit Type TRICONE	Size (in) 17 1/2	Serial Number 1446107	Make VAREL	Model HR04JMRS	Date In 9/30/2015 14:00	Date Out 9/30/2015 17:00		
Used Class New	Bit Type TRICONE	Size (in) 12 1/4	Serial Number	Make VAREL	Model HR04JMRS	Date In 10/1/2015 01:00	Date Out 10/1/2015 06:00		
Drill Strings									
BHA #1, CONDUCTOR									
BHA # 1	Bit Run 1	Drill Bit 17 1/2in, HR04JMRS, 1446107	Nozzles (1/32") 13/13/13	TFA (incl Noz) (in) 0.26	IADC Bit Dull 1-1-NO-A-1-0-NO-TD				
Drill String Components									
Item Des	Qty	OD (in)	ID (in)	Len (ft)					
DRILL PIPE	1	4 1/2		30.02					
BIT SUB	1	7 1/2	2.300	3.20					



BREITBURN

REVIEW - Daily Drilling Summary

Well Name: LIBBY MINERALS LLC 1931 23-2-K

3.0 --Report Number

10/2/2015 --Date of Report

410 --24 Hr Progress

State NM		County HARDING		Project LIBBY RANCH		Region NM-LIBBY RANCH CO2		Division DIVISION 5	
API # 3002120686		Surface Legal Location K 23 19N 31E, N.M.P.M.		State Drilling Permit # 20686		KB Elevation (ft) 4,461.00		Gr Elev (ft) 4,453.00	
Rig Company RELIANT E&P		Rig # 1		Start Date 9/29/2015 21:00		End Date 9/30/2015 14:00		Rig Start Date 9/29/2015 9:00 PM	
Rig Release Date		Well Status DRILLING		Spud Date		Tgt Depth (ftKB)		Target Frm	
AFE # AFE000432		CO2 SUPPLY		Total AFE (Cost) 316,033		2,600.0		TUBB	

Daily Operations

Operations at Report Time
WOC for surface casing

Operations Summary
Drill // 300 - 710'. Pump sweep and circ hole clean. Trip out, Run 8 5/8 casing and cement w/ 190 lead 200 sx's tail 41.5 bbl displace 45 bbl cement returns. WOC

Remarks
No accidents

Next 24 Hour Plan
WOC Nipple up Test casing and 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)
41,304	137,033	300	710	410	27

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	21:00	15.00	15.00	300.0	710.0	SURFACE, DRILL	DRILL ACTUAL		Drill // 300 - 710 WOB 5 - 10k RPM 80 GPM 290
21:00	22:00	1.00	16.00	710.0	710.0	SURFACE, DRILL	COND MUD & CIRC		Circulate @ TD 710 for casing
22:00	23:30	1.50	17.50	710.0	710.0	SURFACE, DRILL	TRIP OUT OF HOLE		Trip out to run 8 5/8 casing
23:30	03:00	3.50	21.00	710.0	710.0	SURFACE, DRILL	RUN CASING		Rig up and run 17 jt's of 8 5/8 24# J-55 190' of casing
03:00	04:00	1.00	22.00	710.0	710.0	SURFACE, DRILL	COND MUD & CIRC		Circ while rigging up cementers
04:00	05:30	1.50	23.50	710.0	710.0	SURFACE, DRILL	CEMENTING		Pre Job meeting, Test lines to 2000 # Pump 10 bbl FW spacer ahead. Pump 190 sx's 12.8 # 1.97 yld of lead. Pump 200 sx's 14.8# 1.36 yld of tail. Displace w/ 41.7 bbl of fresh water Final psi 300 bump plug w/ 900 psi 45 bbl cement to surface
05:30	06:00	0.50	24.00	710.0	710.0	SURFACE, BOP	WAIT ON CEMENT		WOC

Personnel Log

Employee Type	Employee Name	Company	Count	Reg Work Time (hr)	Tot Work Time (hr)
Rig Crew		RELIANT E&P	5	12.00	60.00
Rig Crew		RELIANT E&P	5	12.00	60.00
Tool Pusher		RELIANT E&P	1	24.00	24.00
Mud Man		Horizon Mud Company	1		0.00
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/30min)	Mud Lost (Hole) (bbl)	Mud Lost (Surf) (bbl)
10/2/2015 18:15	WATER BASE	683	Horizon	8.8	32				
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	3.0	9.8	1.0	1.0	1.0	32			
Chlorides (mg/L)	Calcium (mg/L)	CaCl (ppm)	Solids (%)	LGS (%)	Sand (%)	Percent Oil (%)	Oil Water Ratio	Electric Stab (V)	MBT (lb/bbl)
800			3.5	3.5	0.3	0/100			10.0

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	10/1/2015 01:00	10/1/2015 21:00

Drill Strings

BHA #2, SURFACE

BHA #	Bit Run	Drill Bit	Nozzles (1/32")	TFA (incl Noz) (in")	IADC Bit Dull
212		12 1/4in, HR04JMRS, <sn>	13/13/13	0.91	1-1-NO-A-1-0-NO-TD



BREITBURN

REVIEW - Daily Drilling Summary

Well Name: LIBBY MINERALS LLC 1931 23-2-K

4.0 --Report Number

10/3/2015 --Date of Report

420 --24 Hr Progress

State NM		County HARDING		Project LIBBY RANCH		Region NM-LIBBY RANCH CO2		Division DIVISION 5	
API # 3002120686		Surface Legal Location K 23 19N 31E, N.M.P.M.		State Drilling Permit # 20686		KB Elevation (ft) 4,461.00		Gr Elev (ft) 4,453.00	
Rig Company RELIANT E&P		Rig # 1		Start Date 9/29/2015 21:00		End Date 10/5/2015 22:00		Spud Date 9/30/2015 14:00	
Rig Start Date 9/29/2015 9:00 PM		Rig Release Date 10/5/2015 22:00		Project LIBBY RANCH		Well Status WAITING ON COMPLETION			
AFE # AFE000432		Well Type CO2 SUPPLY		Total AFE (Cost) 316,033		Tgt Depth (ftKB) 2,600.0		Tubing TUBB	
Daily Operations									
Operations at Report Time Drilling production hole @ 1130'								Status at Reporting Time DRILLING	
Operations Summary WOC, Nipple up. Trip in hole. Rig repair. Test BOP and casing to 630 psi. Drill out cement. Drill ft 710 -1130'									
Remarks No accidents. Heavy rain thru the night									
Next 24 Hour Plan Drill to TD									
Daily Field Est Total (Cost) 19,123		Cum Field Est To Date (Cost) 157,896		Start Depth (ftKB) 710		End Depth (ftKB) 1,130		Depth Progress (ft) 420	
Avg ROP (ft/hr) 44									
Daily Contacts									
Contact Name RICK EUTSLER		Title WELLSITE SUPERVISOR		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	13:00	7.00	7.00	710.0	710.0	SURFACE, BOP	WAIT ON CEMENT		WOC prepare BOP for nipple up
13:00	14:30	1.50	8.50	710.0	710.0	SURFACE, BOP	NU/ND BOP STACK		Nipple up BOP and flowlines
14:30	17:00	2.50	11.00	710.0	710.0	PRODUCTION, DRILL	TRIP IN HOLE		Trip in hole w/ BHA # 3
17:00	18:30	1.50	12.50	710.0	710.0	PRODUCTION, DRILL	REPAIR RIG		Repair pop off on pump # 1
18:30	19:00	0.50	13.00	710.0	710.0	PRODUCTION, DRILL	TEST B.O.P		Test BOP and Casing to 630 psi Hold for 30 minutes
19:00	20:30	1.50	14.50	710.0	710.0	PRODUCTION, DRILL	DRILL OUT CEMENT		Drill out shoe track and float equipment
20:30	06:00	9.50	24.00	710.0		PRODUCTION, DRILL	DRILL ACTUAL		Drill ft 710 - 1130 WOB 5k RPM 55 GPM 280
Personnel Log									
Employee Type	Company	Count	Reg Work Time (hr)	Tot Work Time (hr)					
Rig Crew	RELIANT E&P	5	12.00	60.00					
Rig Crew	RELIANT E&P	5	12.00	60.00					
Tool Pusher	RELIANT E&P	1	24.00	24.00					
Mud Man	Horizon Mud Company	1		0.00					
On-Site Supervision	HARIMAU OIL & GAS CONSULTING	1	24.00	24.00					
Mud Checks									
Date 10/2/2015 18:45	Type WATER BASE	Depth (ftKB) 710	Source Horizon	Mud Weight (lb/gal) 8.4	Vis (s/qt) 28	Filtrate (ml/30min) 28	HTHP Filtrate (mL)	Mud Lost (Hole) (bbl)	Mud Lost (Surf) (bbl)
PV Overmde (cP) 1.0	YP Overmde (lb/100ft) 0.0	pH 9.0	Gel 10 sec (lb/100ft) 9.0	Gel 10 min (lb/100ft) 9.0	Gel 30 min (lb/100ft) 9.0	Vis 9.0	Vis 6rpm	Lime (lb/bbl)	
Chlorides (mg/L)	Calcium (mg/L)	CaCl (ppm)	Solids (%)	LGS (%)	Sand (%)	Percent Oil (%)	Oil Water Ratio 0/100	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		
New	PDC	7 7/8		VAREL	VTD616DX	10/2/2015 20:30	10/5/2015 03:00		
Drill Strings									
BHA #3, PRODUCTION									
BHA # 33	Bit Run 7 7/8in, VTD616DX, <sn>	Nozzles (1/32") 13/13/13/15/15/15	TFA (incl Noz) (ft) 0.91	IADC Bit Drill 1-1-CT-S-1-1-CT-TD					
Drill String Components									
Item Des	Jts	OD (in)	ID (in)	Len (ft)					
DRILL PIPE	72	4 1/2		2,158.59					
XO SUB	1	4 1/2		1.35					



BREITBURN

REVIEW - Daily Drilling Summary

Well Name: LIBBY MINERALS LLC 1931 23-2-K

5.0 --Report Number

10/4/2015 --Date of Report

842 --24 Hr Progress

State NM		County HARDING		Project LIBBY RANCH		Region NM-LIBBY RANCH CO2		Division DIVISION 5	
API # 3002120686		Surface Legal Location K 23 19N 31E, N.M.P.M.		State Drilling Permit # 20686		KB Elevation (ft) 4,461.00		Gr Elev (ft) 4,453.00	
Rig Company RELIANT E&P		Rig # 1		Start Date 9/29/2015 21:00		End Date 9/30/2015 14:00		Rig Start Date 9/29/2015 9:00 PM	
AFE # AFE000432		Well Type CO2 SUPPLY		Total AFE (Cost) 316,033		Tgt Depth (ftKB) 2,600.0		TUBB	
Daily Operations									
Operations at Report Time Making wiper trip to shoe.								Status at Reporting Time DRILLING	
Operations Summary Drill f/ 1130 - 1972. Displaced w/ fresh mud while drilling starting at 1800'. At 1972' circulate hole clean and make wiper trip to shoe.									
Remarks No accidents. Size of location and heavy rains is becoming an issue.									
Next 24 Hour Plan Finish wiper trip and drill to TD									
Daily Field Est Total (Cost) 16,765		Cum Field Est To Date (Cost) 172,051		Start Depth (ftKB) 1,130		End Depth (ftKB) 1,972		Depth Progress (ft) 842	
Avg ROP (ft/hr) 39									
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	03:30	21.50	21.50	1,130.0	1,972.0	PRODUCTION, DRILL	DRILL ACTUAL		Drill f/ 1130 - 1972' WOB 5-10k RPM 90 GPM 300.
03:30	04:00	0.50	22.00	1,972.0	1,972.0	PRODUCTION, DRILL	COND MUD & CIRC		Pump sweep and circulate hole clean for wiper trip to shoe.
04:00	06:00	2.00	24.00	1,972.0	1,972.0	PRODUCTION, DRILL	TRIP OUT OF HOLE		Wiper trip to shoe above the Cinarron.
Personnel Log									
Employee Type		Employee Name		Company		Count	Reg Work Time (hr)	Tot Work Time (hr)	
Rig Crew				RELIANT E&P		5	12.00	60.00	
Rig Crew				RELIANT E&P		5	12.00	60.00	
Tool Pusher				RELIANT E&P		1	24.00	24.00	
Mud Man				Horizon Mud Company		1	24.00	24.00	
On-Site Supervision				HARIMAU OIL & GAS CONSULTING		1	24.00	24.00	
Mud Checks									
Date 10/3/2015 18:45	Type WATER BASE	Depth (ftKB) 1,729	Source Horizon	Mud Weight (lb/gal) 9.5	Vis (slt) 54	Filtrate (mL/30min) 54	HTHP Filtrate (mL/...)	Mud Lost (Hole) (bbl)	Mud Lost (Surf) (b...)
PV Overide (cP) 6.0	YP Overide (lb/100ft) 9.0	pH 9.5	Gel 10 sec (lb/100ft) 6.0	Gel 10 min (lb/100ft) 6.0	Gel 30 min (lb/100ft) 9.0	Vis 6rpm	Lime (lb/bbl)		
Chlorides (mg/L) 47,000	Calcium (mg/L)	CaCl (ppm)	Solids (%)	LGS (%)	Sand (%)	Percent Oil (%)	Oil Water Ratio 0/100	Electric Stab (V)	MBT (lb/bbl) 13.8
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 VTD616DX	Date In 10/2/2015 20:30	Date Out 10/4/2015 06:00		
Drill Strings									
BHA #3, PRODUCTION									
BHA # 33	Bit Run	Drill Bit 7 7/8in, VTD616DX, <sn>	Nozzles (1/32") 13/13/13/15/15	TFA (incl Noz) (in) 0.91	IADC Bit Dull				
Drill String Components									
Item Des	Jts	OD (in)	ID (in)	Len (ft)					
DRILL PIPE	60	4 1/2		1,800.59					
XO SUB	1	4 1/2		1.35					
DRILL COLLAR	5	5 1/2		150.10					
XO SUB	1	5 1/2		0.99					
TELEDRIFT	1	5 1/2		14.23					
XO SUB	1	5 1/2		1.10					
BIT SUB W/FLOAT	1	5 1/2		2.64					



BREITBURN

REVIEW - Daily Drilling Summary

Well Name: LIBBY MINERALS LLC 1931 23-2-K

6.0 --Report Number

10/5/2015 --Date of Report

358 --24 Hr Progress

State NM		County HARDING		Project LIBBY RANCH		Region NM-LIBBY RANCH CO2		Division DIVISION 5																																																																							
API # 3002120686		Surface Legal Location K 23 19N 31E, N.M.P.M.		State Drilling Permit # 20686		KB Elevation (ft) 4,461.00		Gr Elev (ft) 4,453.00																																																																							
Rig Company RELIANT E&P		Rig # 1		Start Date 9/29/2015 21:00		End Date 9/30/2015 14:00		Rig Start Date 9/29/2015 9:00 PM																																																																							
AFE # AFE000432		Well Type CO2 SUPPLY		Total AFE (Cost) 316,033		Tgt Depth (ftKB) 2,600.0		TUBB																																																																							
Daily Operations Operations at Report Time Tripping out @TD 2330 for logs Status at Reporting Time DRILLING Operations Summary Drill f/ 1972 - 2060. When making a connection pipe became stuck 30 foot off bottom, worked and free pipe. Drill f/ 2060 - 2330. Pump sweep @ TD & circulated clean. Trip out for logs. Remarks No accidents. Next 24 Hour Plan Log well. Run 4.5 casing Clean pits and nipple down Release rig.																																																																															
Daily Field Est Total (Cost) 35,936		Cum Field Est To Date (Cost) 207,987		Start Depth (ftKB) 1,972		End Depth (ftKB) 2,330		Depth Progress (ft) 358																																																																							
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BREITBURN

REVIEW - Daily Drilling Summary

Well Name: LIBBY MINERALS LLC 1931 23-2-K

7.0 --Report Number

10/6/2015 ---Date of Report

0 --24 Hr Progress

State NM		County HARDING		Project LIBBY RANCH		Region NM-LIBBY RANCH CO2		Division DIVISION 5	
API # 3002120686		Surface Legal Location K 23 19N 31E, N.M.P.M.		State Drilling Permit # 20686		KB Elevation (ft) 4,461.00		Gr Elev (ft) 4,453.00	
Rig Company RELIANT E&P		Rig # 1		Start Date 9/29/2015 21:00		End Date 10/5/2015 22:00		Spud Date 9/30/2015 14:00	
				Rig Start Date 9/29/2015 9:00 PM		Rig Release Date 10/5/2015 22:00			
AFE # AFE000432		Well Type CO2 SUPPLY		Total AFE (Cost) 316,033		Tgt Depth (ftKB) 2,600.0		Tubing TUBB	
Daily Operations									
Operations at Report Time Rigging down								Status at Reporting Time DRILLING	
Operations Summary Finish tripping out for Logs, Log well. Nipple down, Run 2330' of 4.5 casing. Cement w/ 150 sx's lead & 160 sx's of tail. Clean pits and rigging down. Rig released 10-5-15 at 22:00 hours.									
Remarks No accidents.									
Next 24 Hour Plan Rig down and move to next location									
Daily Field Est Total (Cost) 60,034		Cum Field Est To Date (Cost) 268,021		Start Depth (ftKB) 2,330		End Depth (ftKB) 2,330		Depth Progress (ft) 0	
Avg ROP (ft/hr)									
Daily Contacts									
Contact Name RICK EUTSLER		Title WELLSITE SUPERVISOR		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	08:00	2.00	2.00	2,330.0	2,330.0	PRODUCTION, DRILL	TRIP OUT OF HOLE		Finish tripping out for logs
08:00	13:30	5.50	7.50	2,330.0	2,330.0	LOGGING, RUN LOGS	LOGS		Rig up logging tools. Run in hole w/ triple combo to 2326' 4 frrt off TD of 2330' Log out and rig down
13:30	14:30	1.00	8.50	2,330.0	2,330.0	PRODUCTION, RUN & CMT CASING	NU/ND BOP STACK		Nipple down and install well head
14:30	18:30	4.00	12.50	2,330.0	2,330.0	PRODUCTION, RUN & CMT CASING	RUN CASING		Run in hole 4.5 11.6 J-55 casing to bottom. Circulate bottoms up
18:30	20:00	1.50	14.00	2,330.0	2,330.0	PRODUCTION, RUN & CMT CASING	CEMENTING		Rig up and cement production casing w/150 sx's of lead and 160 sx's of tail. Displace w/ 35 bbl of fresh water. Bump plug w/ 1270 psi 4 bbl return to tank
20:00	22:00	2.00	16.00	2,330.0	2,330.0	PRODUCTION, R/D - R/R	RIGUP & RIGDOWN		Cleaning pits and rigging down. Rig released at 22:00 hr's.
Personnel Log									
Employee Type	Company	Count	Rag Work Time (hr)	Tot Work Time (hr)					
Rig Crew	RELIANT E&P	5	12.00	60.00					
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Tool Pusher	RELIANT E&P	1	24.00	24.00					
Mud Man	Horizon Mud Company	1	24.00	24.00					
On-Site Supervision	HARIMAU OIL & GAS CONSULTING	1	24.00	24.00					
Mud Checks									
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Rig Fuel									
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Drill Bits									
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