

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. 30-021-20691 |
| 5. Indicate Type of Lease STATE <input type="checkbox"/> FEE <input checked="" type="checkbox"/> |
| 6. State Oil & Gas Lease No. |
| 7. Lease Name or Unit Agreement Name Libby Minerals LLC 2030 COM |
| 8. Well Number 13-1-0 |
| 9. OGRID Number 370080 |
| 10. Pool name or Wildcat Bravo Dome Carbon Dioxide Gas 640 |
| 11. Elevation (Show whether DR, RKB, RT, GR, etc.) 4568' GR |

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 O: 1170 feet from the South line and 1500 feet from the East line
 Section 13 Township 20N Range 30E NMPM Harding County

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


| | | | |
|--|---|---|--|
| NOTICE OF INTENTION TO: | | SUBSEQUENT REPORT OF: | |
| PERFORM REMEDIAL WORK <input type="checkbox"/> | PLUG AND ABANDON <input type="checkbox"/> | REMEDIAL WORK <input type="checkbox"/> | ALTERING CASING <input type="checkbox"/> |
| TEMPORARILY ABANDON <input type="checkbox"/> | CHANGE PLANS <input type="checkbox"/> | COMMENCE DRILLING OPNS. <input type="checkbox"/> | P AND A <input type="checkbox"/> |
| PULL OR ALTER CASING <input type="checkbox"/> | MULTIPLE COMPL <input type="checkbox"/> | CASING/CEMENT JOB <input checked="" type="checkbox"/> | |
| DOWNHOLE COMMINGLE <input type="checkbox"/> | | | |
| CLOSED-LOOP SYSTEM <input type="checkbox"/> | | | |
| OTHER: <input type="checkbox"/> | | OTHER: <input type="checkbox"/> | |

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.

10/20/2015: Test surface casing to 700 psi and hold for 30 minutes. Test passed. Drill 7 7/8" production hole 720' to 1760'.
 10/21/2015: Drill production hole 1760' to 2335' TD.
 10/22/2015: Log well. Run 54 joints of 4.5", 11.6#, J-55 LTC casing to 2292'. Cement w/ 200 sx lead (116 bbls), 160 sx tail (50 bbls). Displace w/ 35 bbl fresh water. 7 bbls. cement return to surface.
 Production casing will be pressure tested prior to completion operations.

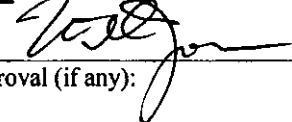
Spud Date: Rig Release Date:

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

SIGNATURE  TITLE Agent DATE: 11/02/2015

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 DATE 11/2/15
 Conditions of Approval (if any):

REVIEW - Daily Drilling Summary

5.0 --Report Number

10/21/2015 ---Date of Report

1,040 --24 Hr Progress



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

| State NM | | County HARDING | | Project LIBBY RANCH | | Region NM-LIBBY RANCH CO2 | | Division DIVISION 5 | |
|--|--|---|-------------------------------|----------------------------------|-------------------------------|--------------------------------|---------------------------------|--------------------------------------|--|
| API # 3002120692 | | 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 | | Spud Date 10/16/2015 18:00 | |
| AFE # AFE000431 | | Well Type CO2 SUPPLY | | Total AFE (Cost) 316,033 | | Tgt Depth (ftKB) 2,600.0 | | Target Frm | |
| Daily Operations | | | | | | | | | |
| Operations at Report Time Drilling @ 1760' | | | | | | | | Status at Reporting Time DRILLING | |
| Operations Summary Trip in & tag cement at 670'. Test casing and BOP to 700 psi and hold for 30 minutes. Drill float equipment and shoe track. Drill production hole f/ 720 - 1760' | | | | | | | | | |
| Remarks No accidents | | | | | | | | | |
| Next 24 Hour Plan Drill 7 7/8 production hole to TD | | | | | | | | | |
| Daily Field Est Total (Cost) 18,265 | | Cum Field Est To Date (Cost) 209,843 | | Start Depth (ftKB) 720 | | End Depth (ftKB) 1,760 | | Depth Progress (ft) 1,040 | |
| Avg ROP (ft/hr) 53 | | | | | | | | | |
| 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 | PRODUCTION, DRILL | TRIP IN HOLE | | Trip in hole tag up cement stringer @ 670' |
| 07:30 | 09:00 | 1.50 | 3.00 | 720.0 | 720.0 | PRODUCTION, DRILL | TEST B.O.P | | Rewire plug on accumulator Pressure up casing to 700 psi and hole for 30 minutes |
| 09:00 | 10:30 | 1.50 | 4.50 | 720.0 | 720.0 | PRODUCTION, DRILL | DRILL OUT CEMENT | | Drill out cement and float equipment |
| 10:30 | 18:00 | 7.50 | 12.00 | 720.0 | 1,175.0 | PRODUCTION, DRILL | DRILL ACTUAL | | Drill f/ 720 - 1175' WOB 8 RPM 85 GPM 300 Clean out flowline due to cement |
| 18:00 | 06:00 | 12.00 | 24.00 | 1,175.0 | 1,760.0 | PRODUCTION, DRILL | DRILL ACTUAL | | Drill f/ 1175 - 1760' WOB 8 - 10k RPM 90 GPM 300 |
| Personnel Log | | | | | | | | | |
| Employee Type | Company | Count | Rig 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 10/20/2015 19:00 | Type WATER BASE | Depth (ftKB) 1,160 | Source Horizon | Mud Weight (lb/gal) 8.4 | Vis (s/qt) 28 | Filtrate (mL/30min) | HTHP Filtrate (mL) | Mud Lost (Hole) (bbl) | Mud Lost (Surf) (bbl) |
| PV Override (cP) 1.0 | YP Override (lb/100ft³) 0.0 | pH 10.0 | Gel 10 sec (lb/100ft³) 0.0 | Gel 10 min (lb/100ft³) 0.0 | Gel 30 min (lb/100ft³) 0.0 | Vis 28 | Vis 6rpm | Lime (lb/bbl) | |
| Chlorides (mg/L) 800 | Calcium (mg/L) | CaCl (ppm) | Solids (%) 0.6 | LGS (%) 0.5 | Sand (%) 0.3 | Percent Oil (%) | Oil Water Ratio 0/100 | Electric Stab (V) | MBT (lb/bbl) 0.0 |
| 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 4007269 | Make VAREL | Model VTD616BAX | Date In 10/20/2015 10:30 | Date Out 10/21/2015 06:00 | | |
| Drill Strings | | | | | | | | | |
| BHA #3, PRODUCTION | | | | | | | | | |
| BHA # 33 | Bit Run 7 7/8in, VTD616BAX, 4007269 | Drill Bit 13/13/13/15/15/15 | Nozzles (1/32") 0.91 | TFA (incl Noz) (in) ----- | IADC Bit Dull ----- | | | | |
| Drill String Components | | | | | | | | | |
| Item Des | Qty | OD (in) | ID (in) | Len (ft) | | | | | |
| DRILL PIPE | 53 | 4 1/2 | | 1,587.86 | | | | | |
| 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 | | 14.98 | | | | | |
| XO SUB | 1 | 5 1/2 | | 1.10 | | | | | |

REVIEW - Daily Drilling Summary

6.0 --Report Number

10/22/2015 ---Date of Report

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

575 --24 Hr Progress



| State NM | | County HARDING | | Project LIBBY RANCH | | Region NM-LIBBY RANCH CO2 | | Division DIVISION 5 | |
|---|---|---|---|--|--|-------------------------------------|--------------------------|--------------------------------------|--|
| API # 3002120692 | | 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 | | Spud Date 10/16/2015 18:00 | |
| Rig Start Date 10/16/2015 1:30 PM | | Rig Release Date | | Total AFE (Cost) 316,033 | | Tgt Depth (ftKB) 2,600.0 | | Target Fm TUBB | |
| Daily Operations | | | | | | | | | |
| Operations at Report Time Rigging up Weatherford to log well | | | | | | | | Status at Reporting Time DRILLING | |
| Operations Summary Drill ff 2170' - 1955'. Circ & Make wiper trip to 8 5/8 shoe. No tight hole. Drill ff 1955' - 2335'. Pump sweep and circ. Trip out for logs. Rig up loggers to log w/ Weatherford triple combo. | | | | | | | | | |
| Remarks No accidents | | | | | | | | | |
| Next 24 Hour Plan Finish logging Run 4.5 casing & Cement. Release rig | | | | | | | | | |
| Daily Field Est Total (Cost) 20,710 | | Cum Field Est To Date (Cost) 230,553 | | Start Depth (ftKB) 1,760 | | End Depth (ftKB) 2,335 | | Depth Progress (ft) 575 | |
| Avg ROP (ft/hr) 42 | | | | | | | | | |
| 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 | 09:30 | 3.50 | 3.50 | 1,760.0 | 1,955.0 | PRODUCTION, DRILL | DRILL ACTUAL | | Drill ff 1760' - 1955' WOB 10 RPM 90 GPM 300 |
| 09:30 | 10:00 | 0.50 | 4.00 | 1,955.0 | 1,955.0 | PRODUCTION, DRILL | COND MUD & CIRC | | Pump sweep and circ clean |
| 10:00 | 11:30 | 1.50 | 5.50 | 1,955.0 | 1,955.0 | PRODUCTION, DRILL | TRIP OUT OF HOLE | | Trip out for wiper trip to 8 5/8 shoe. No problems with tight hole |
| 11:30 | 13:30 | 2.00 | 7.50 | 1,955.0 | 1,955.0 | PRODUCTION, DRILL | TRIP IN HOLE | | Trip back to bottom. Wash down last joint |
| 13:30 | 18:00 | 4.50 | 12.00 | 1,955.0 | 2,170.0 | PRODUCTION, DRILL | DRILL ACTUAL | | Drill ff 1955' - 2170' WOB 10 ROT 85 GPM 300 |
| 18:00 | 22:45 | 4.75 | 16.75 | 2,170.0 | 2,335.0 | PRODUCTION, DRILL | DRILL ACTUAL | | Drill ff 2170' - 2335' WOB 12 - 14k RPM 90 GPM 300 |
| 22:45 | 00:00 | 1.25 | 18.00 | 2,335.0 | 2,335.0 | WIPER TRIP/C&C, WIPER TRIP/CLN/COND | COND MUD & CIRC | | Pump sweep and circulate clean |
| 00:00 | 05:15 | 5.25 | 23.25 | 2,335.0 | 2,335.0 | WIPER TRIP/C&C, WIPER TRIP/CLN/COND | TRIP OUT OF HOLE | | Trip out for logs and lay down BHA |
| 05:15 | 06:00 | 0.75 | 24.00 | 2,335.0 | 2,335.0 | LOGGING, RUN LOGS | LOGS | | Rigging up loggers and picking up logging tools |
| 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 10/21/2015 18:00 | Type WATER BASE | Depth (ftKB) 2,208 | Source Horizon | Mud Weight (lb/gal) 8.7 | Vis (s/qt) 36 | Filtrate (mL/30min) | HHP Filtrate (mL) | Mud Lost (Hole) (bbl) | Mud Lost (Surf) (bbl) |
| PV Overmide (cP) 7.0 | YP Overmide (lb/100ft ²) 7.0 | pH 11.0 | Gel 10 sec (lb/100ft ²) 11.0 | Gel 10 min (lb/100ft ²) 2.0 | Gel 30 min (lb/100ft ²) 5.0 | Vis 36 | Vis 6rpm | Lime (lb/bbl) | |
| Chlorides (mg/L) 850 | Calcium (mg/L) 2,000 | CaCl (ppm) | Solids (%) 2.6 | LGS (%) 2.4 | Sand (%) 0.3 | Percent Oil (%) | Oil Water Ratio 0/100 | Electric Stab (V) | MBT (lb/bbl) 13.0 |
| Rig Fuel | | | | | | | | | |
| Date | Supply Item Des | Type | Unit Label | Field Est (Cost) | Received | Consumed | | | |

REVIEW - Daily Drilling Summary

7.0 --Report Number

10/23/2015 --Date of Report

0 --24 Hr Progress



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

| 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 | |
| Project LIBBY RANCH | | Well Status DRILLING | | Rig Company RELIANT E&P | | Rig # 1 | | Start Date 10/16/2015 13:30 | |
| End Date 10/22/2015 21:30 | | Spud Date 10/16/2015 18:00 | | Rig Start Date 10/16/2015 1:30 PM | | Rig Release Date 10/22/2015 21:30 | | | |
| AFE # AFE000431 | | Well Type CO2 SUPPLY | | Total AFE (Cost) 316,033 | | Tgt Depth (ftKB) 2,600.0 | | Target Frm | |
| Daily Operations | | | | | | | | | |
| Operations at Report Time Rig released at 21:30 10-22-15 | | | | | Status at Reporting Time DRILLING | | | | |
| Operations Summary Finish logging. Nipple down BOP and install well head. Run 54 joints of 4.5 11.6 J-55 casing. Cement w/ 200 sx's lead 160 sx's tail displace w/ 35 bbl final presure 500 land plug w/ 1100. Rig down ,clean pits. Release Rig @ 21:30 10-22-15 | | | | | | | | | |
| Remarks No accidents | | | | | | | | | |
| Next 24 Hour Plan Move off location | | | | | | | | | |
| Daily Field Est Total (Cost) 75,788 | | Cum Field Est To Date (Cost) 306,342 | | Start Depth (ftKB) 2,335 | | End Depth (ftKB) 2,335 | | Depth Progress (ft) 0 | |
| Avg ROP (ft/hr) | | | | | | | | | |
| 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 | 10:00 | 4.00 | 4.00 | 2,335.0 | 2,335.0 | PRODUCTION, RUN & CMT CASING | LOGS | | Run Weatherford triple combo logs |
| 10:00 | 12:30 | 2.50 | 6.50 | 2,335.0 | 2,335.0 | PRODUCTION, RUN & CMT CASING | NU/ND BOP STACK | | Nipple down BOP & flow line. Install well head and return lines |
| 12:30 | 16:30 | 4.00 | 10.50 | 2,335.0 | 2,335.0 | PRODUCTION, RUN & CMT CASING | RUN CASING | | Run 54 joints of 4.5 11.6# J-55 LTC casing |
| 16:30 | 17:30 | 1.00 | 11.50 | 2,335.0 | 2,335.0 | PRODUCTION, RUN & CMT CASING | NU/ND BOP STACK | | Set slips in well head and Rig up cementers |
| 17:30 | 18:30 | 1.00 | 12.50 | 2,335.0 | 2,335.0 | PRODUCTION, RUN & CMT CASING | CEMENTING | | Cement w/ 200 sx's of lead 116 bbl, follow w/ 160 sx's of tail 50 bbl, displace w/ 35 bbl of fresh water final psi 500 land plug w/ 1100 psi 7 bbl returns to surface |
| 18:30 | 21:30 | 3.00 | 15.50 | 2,335.0 | 2,335.0 | PRODUCTION, R/D - R/R | RIGUP & RIGDOWN | | Rigging down and cleaning pits. Release rig at 21:30 |
| 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 | | | | | |
| 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) | Vs (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 | Get 10 sec (lb/100ft ²) | Get 10 min (lb/100ft ²) | Get 30 min (lb/100ft ²) | Vs | Vs 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 # | Bit Run | Drill Bit | Nozzles (1/32") | | | TFA (Incl Noz) (in ⁴) | IADC Bit Dull | | |