

Submit 1 Copy To Appropriate District Office  
 District I - (575) 393-6161  
 1625 N. French Dr., Hobbs, NM 88240  
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 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 August 1, 2011

HOBBS OCD  
 MAR 26 2013

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

RECEIVED

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. 30-025-20057 ✓
1. Type of Well: Oil Well <input checked="" type="checkbox"/> Gas Well <input type="checkbox"/> Other <input type="checkbox"/>		5. Indicate Type of Lease STATE <input checked="" type="checkbox"/> FEE <input type="checkbox"/>
2. Name of Operator CHEVRON U.S.A. INC.		6. State Oil & Gas Lease No.
3. Address of Operator 15 SMITH ROAD, MIDLAND, TEXAS 79705		7. Lease Name or Unit Agreement Name STATE BA ✓
4. Well Location Unit Letter D: 660 feet from the NORTH line and 860 feet from the WEST line ✓ Section 36 Township 17-S Range 34-E NMPM County LEA		8. Well Number 6 ✓
11. Elevation (Show whether DR, RKB, RT, GR, etc.) 4002' GL		9. OGRID Number 4323 ✓
10. Pool name or Wildcat VAC ABO/UPPER PENN/WOLFCAMP ✓		

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

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

A CASING PART WAS FOUND IN THIS WELL AT 70' FROM SURFACE. THE CASING IS GOING TO BE PULLED AND REPLACED.

WHILE WE ARE ON THE WELL, THE CIBP @ 11,855' WILL BE DRILLED OUT AND THE MODEL D PACKER AT 11,906' WILL BE REMOVED TO PREP THE WELL FOR DEEPENING AND CONVERSION TO SWD.

PLEASE FIND ATTACHED, THE INTENDED PROCEDURE, WELLBORE DIAGRAM, & C-144 INFORMATION.

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 Denise Pinkerton TITLE REGULATORY SPECIALIST DATE 03-22-2013  
 Type or print name DENISE PINKERTON E-mail address: leakejd@chevron.com PHONE: 432-687-7375  
**For State Use Only**  
 APPROVED BY [Signature] TITLE DIST. MGR DATE 3-28-2013  
 Conditions of Approval (if any):

MAR 28 2013

**Well:** State BA #6  
**Field:** Vacuum Abo/ Upper Penn/ Wolfcamp  
**API No.:** 30-015-20057  
**Eddy County, New Mexico**

**Description of work:** Repair Csg, DO CIBP & Model D Pkr, Run Csg Inspection Log, & Plugs.

**Pre-Work:**

1. Check Wellhead connections for pressure ratings and condition. Change out if necessary.
2. Utilize the rig move check list.
3. Check anchors and verify that pull test has been completed in the last 24 months.
4. Ensure location of & distance to power lines is in accordance with MCA SWP. Complete and electrical variance and electrical variance RUMS if necessary.
5. Ensure that location is of adequate build and construction.
6. Ensure that elevators and other lifting equipment are inspected. Caliper all lifting equipment at the beginning of each day or when sizes change.
7. When NU anything over an open wellhead (EPA, etc.) ensure the hole is covered to avoid dropping anything downhole
8. For wells to be worked on or drilled in an H2S field/area, include the anticipated maximum amount of H2S that an individual could be exposed to along with the ROE calculations for 100 ppm and 500 ppm (attached).
9. If the possibility of trapped pressure exists, check for possible obstruction by:
  - Pumping through the fish/tubular – this is not guaranteed with an old fish as the possibility of a hole above the obstruction could yield inconclusive results
  - Dummy run – make a dummy run through the fish/tubular with sandline, slickline, eline or rods to verify no obstruction. Prior to making any dummy run contact RE and discuss.

If unable to verify that there is no obstruction above the connection to be broken, or if there is an obstruction:

- Hot Tap at the connection to check for pressure and bleed off

Observe and watch for signs / indicators of pressure as connection is being broken. Use mud bucket (with seals removed) and clear all non-essential personnel from the floor.

**Procedure:**

1. Rig up pulling unit. Check wellhead pressure, and kill well as necessary (Should not have pressure with RBP's at 1,664' with 2 sacks of sand on top & 8,998').
2. Load hole and monitor for 30 minutes.
3. ND wellhead.
4. PU spear, latch on to casing at surface. POOH with 7" casing to part at ~ 70' & POH (watch slips).
5. NU 11" 5,000 psi BOP with 3-1/2" pipe rams over blinds. RIH with 1 joint of 3-1/2" workstring and 9-5/8" packer. Set packer @ ~25'. Test BOP to 250 psi low / 1,000 psi high. POH & LD 9-5/8" packer.
6. Decide on a casing repair option (dress off top of fish and run in with new casing, run alignment tool, patch, etc.).

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7. Repair casing. Pull 7" to energize slips and cut off.
8. ND 11" BOP. Install 11" 5K x 7-1/16" 5K tubing head and test.
9. NU 7-1/16" 5,000 psi BOP with 2-7/8" pipe rams over blinds. RIH with 1 joint of 2-7/8" tubing and 7" packer. Set packer @ ~25'. Test BOP to 250 psi low / 1,000 psi high.
10. TIH with retrieving tool & 2-7/8" workstring to 1,664' (2 sacks of sand on top of RBP).
11. Circulate sand off and release RBP and POOH & laydown RBP.
12. TIH with retrieving tool & 2-7/8" workstring to 8,998'.
13. Release RBP and POOH & laydown RBP and retrieving tool.
14. RIH with 6-1/8" bit on 2-7/8" workstring to 9,070'.
15. Pump LCM to attempt to seal off open perms from 9,070 – 10,370. If perms can not be completely sealed off, make note of the amount of fluid loss to the perms in the daily report.
16. Continue to RIH & DO the CIBP with 1 sx cmt on top at 11,855'.
17. POOH & laydown bit.
18. RIH with packer-picker with (6) 3-1/2" DC, jars, and accelerator sub to 11,906 (Model D Packer)
19. Mill slips and POOH with Model D Packer.
20. RIH with 6-1/8" bit to TD (12,109') and circulate hole clean.
21. POOH & laydown workstring and bit.
22. Rig down pulling unit.

**Schedule to have crane on location to lift lubricator**

23. Rig up wireline truck & lubricator. Tie into Welex's GR-CLL log dated 9/23/1963 for correlation and run Baker's MicoVertilog (or equivalent log from another vender) from TD (12,109' – or as close to TD as possible) to surface. Send logs to Ryan Warmke and RE for review.
24. TIH with a CBP on wireline and set at 8,998'.
25. Dump 10' cement on top.
26. TIH with a CBP on wireline and set at 1,700'.
27. Dump 10' cement on top.
28. Rig down wireline truck.
29. ND BOP. NU wellhead.

RRW 3/5/2013

**CURRENT  
WELLBORE DIAGRAM**

**State BA #6**

**LOCATION**

State	New Mexico
County	Lea
Surface Location	660FNL 860 FWL Sec 36, R-34E, T-17S D

**WELL ID INFORMATION**

Lease Name	State BA #6
Field	Vacuum Abo/ Upper Penn/ Wolfcamp
Reservoir	Abo, Penn, Wolfcamp
Ref #	FB3546
API #	30-025-20057

**CASING DETAIL**

<b>Surface Csg.</b>	
Size:	13-3/8"
Wt.:	44.2# & 35.6#
Set @:	421'
Sxs cmt:	400sx
TOC:	Surface
Hole Size:	17-1/2"

**Intermediate Csg.**

Size:	9-5/8"
Wt.:	36# & 40# J-55
Set @:	4835'
Sxs Cmt:	2080sx
TOC:	110'
Hole Size:	12-1/4"

**Production Csg.**

Size:	7"
Wt.:	23# & 26# S-95
Set @:	12109'
Sxs Cmt:	850sx
TOC:	1600', original TOC 5675'
Hole Size:	8-3/4"
DV Tool	10,614'

Parted Csg @ 70'

RBP @ 1,664'

**Tubing Detail**

7/31/2002

# Jts.	Size	Footage
70	2-7/8" J-55	2184.00
250	2-3/8" J-55	7800.00
1	2-3/8" SN	1.00
1	7" x 2-3/8" TAC	3.00
1	perf sub	4.00
1	3-1/2" mud jt	32.00
<b>EOT</b>		<b>10024.00</b>

**Rod Detail**

7/31/2002

# Rods	Size	Footage
1	1-1/3" p rod (22.00')	
1	1-3/4" liner (16.00)	16.00
78	1" D87 rods	1950.00
113	7/8" D87 rods	2825.00
203	3/4" D87 rods	5075.00
4	1-1/2" K bars	100.00
1	1" sub	1.00
1	2" x 1-1/4" x 24 pump	24.00
1	1" gas anchor	
<b>1</b>		<b>9991.00</b>

Original TOC 5675'  
1/79- CBL 5887-4800, Perf  
5624, 5625 w/2 holes, Cmt  
200 sxs, TOC 1600'

RBP @ 8,998'

**Abo perms**  
9070 - 9231

**Wolfcamp perms**  
1963: 9902 - 10016  
1996: 9240-50, 9300-06, 9416-36, 86-96, 9548-56, 9620-30,  
42-48, 62-86, 9748-75, 9810-22, 60-70

**Upper Penn perms**  
1972: 10121-34'  
1996: 10320-70 (51' 102 holes, 2sps)

**Devonian perms**  
12036-60 squeezed 9/63 (DO to 12,050')  
12036-50 perf (ac 1Mgals, 3Mgals, 7.5Mgals)  
6day swab 113 bo, 117bw  
Set CIBP 11,855' 1 sx cmt top  
Total of 927 bbls fluid from Devonian

DV Tool 10,614'

CIBP 11,855' w/1 sx cmt.

Model D Pkr 11,906'

PBTD: 11,855'  
TD: 12109'

UPDATED BY: Denise Wann  
DATE: 2/9/2006

VERIFIED AS CURRENT BY: Natalie Mazanek  
State BA 6 WDATE: 7/24/2012

3/22/2013

8-10/1963

**Initial Completions**

Devonian: 12036-50; treated w/500gal MCA acid + 5000gal 15% acid + 1500gal TLC-15 acid with 300# moth balls per gal + 3000gal HV-60 15% acid + 7500gal HV NE w/90 ball sealers In 30 days swabbed 927bo; zone plugged off with Baker CIBP @ 11855 + 1sk cmt Squeezed Devonian perms 100sx + 50 sx + 50sx, Reperf 12,036-50

Wolfcamp: 9902-10, 9956-10016, treated w/ 1000gal 15% NEA  
Flowed 203bo, 22bw in 20hrs on 16/64 choke

Abo: 9070-9114,9120-30,37-40,66-68,86-9213,18-22,9225-31; treated w/ 1000gal 15% NEA  
Flowed 199bo, 15bw GOR 737 in 24hrs on 24/64 choke

10/1/1972

**Recompletion - Upper Penn**

Perforated 7" casing 10121-34' w/ 1spf; treated perms with 2000gals 15% NEA  
Commingie Abo, Wolfcamp, & Penn

1/1/1979

**Remedial Work - Casing**

Spotted 300gals 15% NEA and perforated 5624-25'  
Cemented w/200sx 50/50 Poz + 150sx class "C" w/2% CaCl  
Ran temperature survey - TOC @ 1600'

2/22/1996

**Added pay and acidized**

Penn perms 10320-70 (51' 102 holes, 2spf); acidized w/5000gal 15% HCl, MaxP 4500#, IR 2.5bpm  
Wolfcamp perms 9240-50, 9300-06, 9416-36, 86-96, 9548-56, 9620-30, 42-48, 62-86, 9748-75, 9810-22, 60-70 (144', 288holes); acidized w/12,500gals 15% HCl MaxP 4100#, IR 2.5bpm  
24hr test: pumped 33bo, 8bw, 30mcf