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1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico
Energy, Minerals and Natural Resources
OIL CONSERVATION DIVISION
220 South St. Francis Dr.
Santa Fe, NM 87505

Form C-103
Revised July 18, 2013

RECEIVED FEB 11 2014		WELL API NO. 30-025-41344
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.)		5. Indicate Type of Lease STATE <input checked="" type="checkbox"/> FEE <input type="checkbox"/>
1. Type of Well: Oil Well <input checked="" type="checkbox"/> Gas Well <input type="checkbox"/> Other INJECTOR		6. State Oil & Gas Lease No.
2. Name of Operator CHEVRON U.S.A. INC.		7. Lease Name or Unit Agreement Name CENTRAL VACUUM UNIT
3. Address of Operator 15 SMITH ROAD, MIDLAND, TEXAS 79705		8. Well Number 181
4. Well Location Unit Letter: L 1420 feet from SOUTH line and 730 feet from the WEST line Section 36 Township 17S Range 34E NMPM County LEA		9. OGRID Number 4323
11. Elevation (Show whether DR, RKB, RT, GR, etc.) 3992' GL		10. Pool name or Wildcat VACUUM; GRAYBURG SAN ANDRES

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 type="checkbox"/>	
DOWNHOLE COMMINGLE <input type="checkbox"/>			
CLOSED-LOOP SYSTEM <input type="checkbox"/>			
OTHER:		OTHER: DRILL NEW WELL	

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.

11/13/13: SPUD WELL @ 2300 HRS. DRILL 70-146, 667, 1513.
11/16/13: RAN 11 3/4" 42# H-40 STC SURF CSG - SET @ 1513. CMT W/1035 SX CMT. 116 BBLS CMT TO SURF.
11/18/13: DRILL 1513-3225.
11/19/13: RAN 8 5/8" 32# J-55 LTC INTER CSG - SET @ 3210. CMT W/595 SX CMT. 5 BBLS CMT TO SURF.
11/20/13: DRILL 3210-3935, 4157, 5125. TD (11/21/2013)
11/22/13: RAN 5 1/2" 17# J-55 LTC PROD CSG - SET @ 5112. CMT W/880 SX CMT. 27 BBLS CMT TO SURF.
11/23/13: RELEASE RIG @ 0430 HRS.

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 12/17/2013
Type or print name DENISE PINKERTON E-mail address: leakejd@chevron.com PHONE: 432-687-7375
For State Use Only
APPROVED BY: [Signature] TITLE Petroleum Engineer DATE 07/17/14
Conditions of Approval (if any):

JUL 18 2014



Summary Report

Drill

Drill and Suspend

Job Start Date: 11/13/2013

Job End Date: 11/23/2013

Well Name CENTRAL VACUUM UNIT 181		Lease Central Vacuum Unit	Field Name Vacuum	Business Unit Mid-Continent	
Ground Elevation (ft) 3,992.00	Original RKB (ft) 4,010.50	Current RKB Elevation 4,010.50, 9/24/2013		Mud Line Elevation (ft) 0.00	Water Depth (ft) 0.00

Report Start Date: 11/13/2013

Com

R/D HP 356 from CVU 170 & prepare for move to CVU 181.

Hold PJSM with H&P, H&P Rig Movers. Review rig move check list. Move H&P 356 from CVU 170 to CVU 181wi. All loads on location at 17:00 hrs.

Spot loads and continue R/U and prep to spud.

Report Start Date: 11/14/2013

Com

R/U and prep to spud. Perform pre-spud rig inspection and address all issues.

Notified OCD at 0500 hrs on 11/14/13 of intent to spud.

L/O, caliper, and strap BHA

****Rig accepted at 2030 hrs.****

Pick Up BHA#1 as follows:

14 3/4" PDC bit (Haliburton)

8" Motor (.22 rev/gal)

TiH and tag at 70'

Spud Well @ 2300

Drig f/ 70' to 146'

AROP = 76 fph

WOB = 8 - 10 klbs

TD RPM = 40

Motor RPM = 88

GPM = 400

SPP = 550 psi

MW = 8.34 ppg

pH = 8

Report Start Date: 11/15/2013

Com

Drig f/ 146' to 667'

AROP = 87 fph

WOB = 8-10 kips

TD RPM = 40

Motor RPM = 143

GPM = 650

SPP = 1400 psi

MW = 8.3+ ppg

pH = 8

Operations suspended due to H2S alarm. Rig evacuated all personnel present. Chevron representatives dawned SCBAs and sniffed location for gas. No gas was detected. All clear sounded and operations resumed.

Drig f/ 667' to 1513'

AROP = 65 fph

WOB = 11-13 klbs

TD RPM = 130

Motor RPM = 143

GPM = 650

SPP = 1900 psi

MW = 8.8 ppg

pH = 8

Pump 2, 20 bbl high visc sweeps @ TD, circulate 3 times B/U. Flow check well - Static

MW= 8.7 ppg

Visc= 30

PH= 8

WL= 12

Note (if applicable):

Perform derrick and substructure inspection

TOH f/1514' to 1135'.

Note:

Tight hole f/1340' - 1223' washed and worked through with 40K max overpull.

Inclination Survey at 1514' showed 3.9 deg.

Report Start Date: 11/16/2013



Summary Report

Drill
Drill and Suspend
Job Start Date: 11/13/2013
Job End Date: 11/23/2013

Well Name CENTRAL VACUUM UNIT 181		Lease Central Vacuum Unit	Field Name Vacuum	Business Unit Mid-Continent	
Ground Elevation (ft) 3,992.00	Original RKB (ft) 4,010.50	Current RKB Elevation 4,010.50, 9/24/2013		Mud Line Elevation (ft) 0.00	Water Depth (ft) 0.00

TOH f/1135 to surface.

L/D BHA, motor and bit.
Clean rig floor.

Note:
Inclination Survey at 1514' showed 3.9 deg.

Rig service

PJSM w/ Frank's Casing. R/U H&P CRT and Frank's Casing running equipment. Elevators callipered by toolpusher and driller.

Run 11" 42# H40 STC csg as follows:

Float Shoe

1 Shoe Jts

Float Collar

37 Joints

Centralizer place 10' above FS, 10' above FC and one per 4 jts to surface.

Tag bottom at 1514'

Casing shoe landed at 1513'

Top of FC at 1473'

Details (if applicable):

Washed csg f/ 1300' - 1400'.

Broke circulation or cir b/u @1500'

Circulate and condition mud 2 btms up.

PJSM with Halliburton and R/U cementing equipment.

Perform cmt job as follows:

Pressure test lines to 3125 psi

Pump 20 bbls of spacer at 8.34 ppg.

Mix and pump 610 sxs (199.8 bbls) of type of cement lead at 12.9 ppg.

Mix and pump 425 sxs (101.4 bbls) of type of cement tail at 14.8 ppg.

Drop top plug and displace cmt w/ 176.5 bbls of 8.34 ppg fluid.

Bump plug with 600 psi over final circulating pressure.

Bleed off pressure - floats held.

Details:

Full returns throughout job

Final circulation pressure prior to bumping plug 628 psi at 2 bpm

116 bbls of cmt to surface

Cmt in place at 1830 hrs.

Wait on cement as per drilling procedure.

Note (if applicable):

Offline Prepared BOPE for N/U, Clean mud pits, L/O and strap BHA.

PJSM w/ Cotton welding. Rough cut 11 3/4" csg. L/D cut joint. R/D H&P CRT & equipment. N/D conductor. Dress and make final cut on 11 3/4" casing.

Report Start Date: 11/17/2013

PJSM w/ Cotton welding. Rough cut 11 3/4" csg. L/D cut joint. R/D H&P CRT & equipment. N/D conductor. Dress and make final cut on 11 3/4" casing.

PJSM with Cotton Welding. Install and weld 11 3/4" SOW x 11" 5M multibowl wellhead. Test void to 850 psi - test good.

PJSM and N/U 11"x5M BOP, flow, kill, and choke lines, turn buckles, accumulator lines

PJSM w/ Mann Welding and Test BOPE to 250 psi low / 3000 psi high (1500 high on annular). Details documented in Man Welding BOP Testing Sheet and stored in WellView attachments. Test accumulator for usable fluid, pre-charge and capacity.

Pick Up BHA#2 as follows:

10 5/8" PDC bit (Halliburton, MM65DM)

8" Motor (0.22 rev/gal)

TIH and tag cement/float collar at 1,475'.

Install rotating head rubber.

Circ hole with 10 ppg brine and perform choke drill.

Report Start Date: 11/18/2013

Drill Float Equipment & Cmt to 1513'.



Summary Report

Drill
Drill and Suspend
Job Start Date: 11/13/2013
Job End Date: 11/23/2013

Well Name CENTRAL VACUUM UNIT 181		Lease Central Vacuum Unit	Field Name Vacuum	Business Unit Mid-Continent	
Ground Elevation (ft) 3,992.00	Original RKB (ft) 4,010.50	Current RKB Elevation 4,010.50, 9/24/2013		Mud Line Elevation (ft) 0.00	Water Depth (ft) 0.00

Com

Drig f/1513' to 3225' (prior trip note reason - bit trip, TD, etc)

AROP = 104 fph
WOB = 15 - 20 kips
TD RPM = 120
Motor RPM = 140
GPM = 650 gpm
SPP = 1840 psi
MW = 10 ppg
pH = 10

Pump 2 20 bbl high visc sweeps @ TD, circulate 2 B/U. Flow check well - Static.

MW=10
Visc=27
PH=9
WL=100

TOH f/3225 to 1457'

Pull rotating head rubber and install trip nipple.

4 bbls gain in trip tank during trip nipple installation. Stab TIW. Well shut in.

SICP 100 psi
Monitor pressure.

Bled off casing pressure through choke. Open annular. Flow check. Well static. Circulate B/U. Begin building 12 ppg pill.

Monitor well while building 12 ppg pill.

Spot 12 ppg pill @ 1457'.

Report Start Date: 11/19/2013

Com

Install trip nipple

TOH f/1457' to surface
L/D BHA, motor and bit.
Clean rig floor.

Note (if applicable):

Note depth rotating head removed @ 1457'.
Gas bubbling to surface encountered at 120'.

PJSM w/ H&P. R/U CRT. Elevators callipered by toolpusher and driller

Run 8 5/8" 32# J55 LTC csg as follows:

Float Shoe
2 Shoe Jts
Float Collar
44 Joints
ECP
34 Joints

After CSG

Tag bottom at 3220'

Casing shoe landed at 3210'

Top of FC at 3132'

Notified Patricia of OCD at 1000 hrs on 11/19/13 of intent to run and cmt csg.

Circulate 2 times casing volume

Note:
Max gas 3000 units.

PJSM with Halliburton and R/U cementing equipment.



Summary Report

Drill
Drill and Suspend
Job Start Date: 11/13/2013
Job End Date: 11/23/2013

Well Name CENTRAL VACUUM UNIT 181	Lease Central Vacuum Unit	Field Name Vacuum	Business Unit Mid-Continent
Ground Elevation (ft) 3,992.00	Original RKB (ft) 4,010.50	Current RKB Elevation 4,010.50, 9/24/2013	Mud Line Elevation (ft) 0.00
			Water Depth (ft) 0.00

<p>Perform cmt job as follows:</p> <p>Pressure test lines to 3000 psi</p> <p>Pump 20 bbls of fresh water spacer at 8.34 ppg.</p> <p>Pump 24 bbls of Super Flush 101 at 10 ppg</p> <p>Pump 20bbls of fresh water spacer at 8.34 ppg.</p> <p>Mix and pump 405 sxs (131 bbls) of Econcem Class C cement lead at 12.9 ppg.</p> <p>Mix and pump <u>190 sxs</u> (45 bbls) of Halcem Class C cement tail at 14.8 ppg.</p> <p>Drop top plug and displace cmt w/ 191 bbls of 10 ppg brine.</p> <p>Bump plug with 400 psi over final circulating pressure.</p> <p>Bleed off pressure – floats held.</p> <p><i>cmt</i></p> <p>Details:</p> <p>Full returns throughout job</p> <p>Final circulation pressure prior to bumping plug 760 psi at 2 bpm</p> <p>5 bbls of cmt or spacer to surface</p> <p>Cmt in place at 2230 hrs.</p> <p>R/D cementers and wash through BOPE.</p> <p>R/D H&P CRT</p> <p>Report Start Date: 11/20/2013</p>
<p>Back out and L/D landing joint</p> <p>PJSM w/ H&P. R/D CRT</p> <p>Install packoff through BOP and test void to 850 psi as per drilling procedure.</p> <p>Install wear bushing</p> <p>Pick Up BHA #3 as follows</p> <p>7 7/8" PDC Bit (Halliburton)</p> <p>6 1/2" Baker motor (.16 rev/gal).</p> <p>Note:</p> <p>Bit would not pass through packoff.</p> <p>Bit would not pass through packoff. Attempting to pass 7 7/8" bit through packoff while waiting on location for 7 3/4" bit. L/D bit and motor. Wait on 7 3/4" bit.</p> <p>Pick Up BHA#3 as follows:</p> <p>7 7/8" PDC bit (Halliburton)</p> <p>6 1/2" Motor (.16 rev/gal)</p> <p>TIH and tag cement/float collar at 3082'</p> <p>Note:</p> <p>Second attempt of passing a secondary 7 7/8" bit through packoff resulted in success after pulling master bushings allowing motor a larger range of motion laterally.</p> <p>Performed choke drill</p> <p>Pull trip nipple and install rotating head</p> <p>Dril FE & Cmt to 3210'.</p> <p>Drig f/ 3210' to 3935'</p> <p>AROP = 97 fph</p> <p>WOB = 20 klbs</p> <p>TD RPM = 110</p> <p>Motor RPM = 83</p> <p>GPM = 517</p> <p>SPP = 1780 psi</p> <p>MW = 10 ppg</p> <p>pH = 10</p> <p>Report Start Date: 11/21/2013</p>
<p>Drig f/ 3935' to 4157'</p> <p>AROP = 111 fph</p> <p>WOB = 20-30 klbs</p> <p>TD RPM = 110</p> <p>Motor RPM = 83</p> <p>GPM = 610</p> <p>SPP = 2000 psi</p> <p>MW = 11 ppg</p> <p>pH = 10</p> <p>Displace hole to 11 ppg per drilling program</p>



Summary Report

Drill

Drill and Suspend
Job Start Date: 11/13/2013
Job End Date: 11/23/2013

Well Name CENTRAL VACUUM UNIT 181		Lease Central Vacuum Unit	Field Name Vacuum	Business Unit Mid-Continent	
Ground Elevation (ft) 3,992.00	Original RKB (ft) 4,010.50	Current RKB Elevation 4,010.50, 9/24/2013		Mud Line Elevation (ft) 0.00	Water Depth (ft) 0.00

<p>Drilg f/ 4157' to 5125'</p> <p>AROP = 114 fph</p> <p>WOB = 20-30 klbs</p> <p>TD RPM = 110</p> <p>Motor RPM = 83</p> <p>GPM = 610</p> <p>SPP = 3000 psi</p> <p>MW = 11 ppg</p> <p>pH = 10</p>	Com
<p>Pump 2, 20 bbl high visc sweeps @ TD, circulate 2 B/U. Flow check well – Static.</p> <p>MW=11</p> <p>Visc=35</p> <p>PH=10</p> <p>WL= 10.7</p>	
<p>TOH f/ 5132' to surface</p> <p>L/D BHA, motor and bit.</p> <p>Clean rig floor.</p>	
<p>Rig service</p>	
<p>PJSM w/ H&P. R/U H&P CRT.</p>	
<p>Report Start Date: 11/22/2013</p>	
<p>Run 5 1/2" 17# J55 LTC csg as follows:</p> <p>Float Shoe</p> <p>2 Shoe Jts</p> <p>Float Collar</p> <p>17 Joints</p> <p>20 Flint Coated Joints</p> <p>Marker Joint</p> <p>9 Joints</p> <p>External Casing Packer</p> <p>72 Joints</p> <p>2 Flint Coated Joints</p> <p style="text-align: center; font-size: 2em; margin-top: 20px;">PROD CSG</p> <p>Centralizer place 10' above FS, 10' above FC and one per joint to 4300' and one every fourth joint to surface.</p> <p>Tag bottom at 5125'</p> <p>Casing shoe landed at 5112'</p> <p>Top of FC at 5030'</p>	Com
<p>Circulate and condition mud two times casing volume. L/D tag joint and land hanger.</p>	
<p>PJSM with Halliburton and R/U cementing equipment.</p>	
<p>Perform cmt job as follows:</p> <p>Pressure test lines to 3000 psi</p> <p>Pump 30 bbls of spacer at 12.3 ppg.</p> <p>Mix and pump 420 sxs (125.76 bbls) of Econocem-HLC lead cement at 13.2 ppg.</p> <p>Mix and pump 460 sxs (84.38 bbls) of Corrosacem-H tail cement at 15.8 ppg.</p> <p>Drop top plug and displace cmt w/ 116.73 bbls of 8.34 ppg fluid.</p> <p>Bump plug with 500 psi over final circulating pressure.</p> <p>Bleed off pressure – floats held.</p> <p>Details:</p> <p>Full returns throughout job</p> <p>Final circulation pressure prior to bumping plug 1800 psi at 2 bpm</p> <p>27 bbls of cmt to surface</p> <p>Cmt in place at 2200 hrs.</p>	
<p>R/D Halliburton cement equipment. Wash through BOP and surface lines.</p>	
<p>L/D landing joint and install BPV. Clean Pits and prepare for rig release</p>	
<p>Report Start Date: 11/23/2013</p>	
<p>PJSM w/ Man ND crew. Remove flow line, choke line, kill line, fill up line, trip nipple, accumulator lines, break bolts on BOP, spool, and L/D.</p> <p>Install tubing head & test to 4000 psi.</p> <p>Release rig @ 0430</p>	Com



Casing Summary

Well Name CENTRAL VACUUM UNIT 181		Lease Central Vacuum Unit		Field Name Vacuum		Business Unit Mid-Continent	
Ground Elevation (ft) 3,992.00	Original RKB (ft) 4,010.50	Current RKB Elevation 4,010.50, 9/24/2013				Mud Line Elevation (ft) 0.00	Water Depth (ft) 0.00

Surface, Planned? - N, 1,513ftKB

Set Depth (MD) (ftKB) 1,513		Set Tension (kips)		String Nominal OD (in) 11 3/4		String Min Drift (in)		Centralizers 10		Scratchers	
Jts	Item Des	OD (in)	ID (in)	Wt (lb/ft)	Grade	Top Thread	Top Depth (MD) (ftKB)	Btm Depth (MD) (ftKB)	Len (ft)	P Burst (psi)	P Collapse (psi)
36	Casing Joint	11 3/4	11.084	42.00	H-40		-5	1,473	1,477.76		
1	Float Collar	11 3/4	11.084				1,473	1,474	1.11		
1	Casing Joint	11 3/4	11.084	42.00	H-40		1,474	1,511	37.36		
1	Float Shoe	11 3/4	11.084				1,511	1,513	1.76		

Intermediate Casing 1, Planned? - N, 3,210ftKB

Set Depth (MD) (ftKB) 3,210		Set Tension (kips)		String Nominal OD (in) 8 5/8		String Min Drift (in)		Centralizers		Scratchers	
Jts	Item Des	OD (in)	ID (in)	Wt (lb/ft)	Grade	Top Thread	Top Depth (MD) (ftKB)	Btm Depth (MD) (ftKB)	Len (ft)	P Burst (psi)	P Collapse (psi)
1	Casing Hanger	8 5/8	7.921				18	22	3.93		
34	Casing Joint	8 5/8	7.921	32.00	J-55		22	1,384	1,361.75		
1	External Casing Packer	8 5/8	7.921				1,384	1,409	24.87		
44	Casing Joint	8 5/8	7.921	32.00	J-55		1,409	3,133	1,723.81		
1	Float Collar	8 5/8	7.921				3,133	3,134	1.47		
2	Casing Joint	8 5/8	7.921	32.00	J-55		3,134	3,208	74.32		
1	Float Shoe	8 5/8	7.921				3,208	3,210	1.53		

Production Casing, Planned? - N, 5,112ftKB

Set Depth (MD) (ftKB) 5,112		Set Tension (kips)		String Nominal OD (in) 5 1/2		String Min Drift (in)		Centralizers 40		Scratchers	
Jts	Item Des	OD (in)	ID (in)	Wt (lb/ft)	Grade	Top Thread	Top Depth (MD) (ftKB)	Btm Depth (MD) (ftKB)	Len (ft)	P Burst (psi)	P Collapse (psi)
1	Casing Hanger	5 1/2	4.892				18	21	3.13		
74	Casing Joint	5 1/2	4.892	17.00	J-55		21	3,088	3,066.89		
1	External Casing Packer	5 1/2	4.892				3,088	3,111	23.03		
9	Casing Joint	5 1/2	4.892	17.00	J-55		3,111	3,484	372.24		
1	Marker Joint	5 1/2	4.892	17.00	J-55		3,484	3,497	13.18		
37	Casing Joint	5 1/2	4.892	17.00	J-55		3,497	5,030	1,533.69		
1	Float Collar	5 1/2	4.892				5,030	5,032	1.09		
2	Casing Joint	5 1/2	4.892	17.00	J-55		5,032	5,111	79.11		
1	Float Shoe	5 1/2	4.892				5,111	5,112	1.37		