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District III
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District IV
1220 S St Francis Dr., Santa Fe, NM 87505
Phone (505) 476-3460 Fax (505) 476-3462

State of New Mexico

Form C-101
Revised August 1, 2011

Energy Minerals and Natural Resources

Oil Conservation Division

1220 South St. Francis Dr.

Santa Fe, NM 87505

Permit

HOBBS OGD

MAR 09 2012

RECEIVED

APPLICATION FOR PERMIT TO DRILL, RE-ENTER, DEEPEN, PLUGBACK, OR ADD A ZONE

¹ Operator Name and Address CHEVRON U.S.A. INC 15 SMITH ROAD MIDLAND, TEXAS 79705		² OGRID Number 4323
		³ API Number 30-025-34222
⁴ Property Code 20069	⁵ Property Name MONUMENT '13' STATE	⁶ Well No 18

⁷ Surface Location

UL - Lot E	Section 13	Township 19-S	Range 36-E	Lot Idn	Feet from 1739	N/S Line NORTH	Feet From 727	E/W Line WEST	County LEA
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⁸ Pool Information

MONUMENT DRINKARD 97060

Additional Well Information

⁹ Work Type RECOMPLETE	¹⁰ Well Type O	¹¹ Cable/Rotary	¹² Lease Type S	¹³ Ground Level Elevation 3727' GL
¹⁴ Multiple NO	¹⁵ Proposed Depth 7513'	¹⁶ Formation DRINKARD	¹⁷ Contractor	¹⁸ Spud Date
Depth to Ground water		Distance from nearest fresh water well		Distance to nearest surface water

¹⁹ Proposed Casing and Cement Program

Type	Hole Size	Casing Size	Casing Weight/ft	Setting Depth	Sacks of Cement	Estimated TOC
			NO CHANGE			

Casing/Cement Program: Additional Comments

SEE ATTACHED INTENDED PROCEDURE, C-102, C-144CLEZ, WELLBORE DIAGRAM

Proposed Blowout Prevention Program

Type	Working Pressure	Test Pressure	Manufacturer

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

I further certify that the drilling pit will be constructed according to NMOCD guidelines ☒, a general permit ☐, or an (attached) alternative OCD-approved plan ☐.

Printed name: DENISE PINKERTON

Title: REGULATORY SPECIALIST

E-mail Address: leakejd@chevron.com

Date: 03-06-2012

Phone: 432-687-7375

OIL CONSERVATION DIVISION

Approved By

Title:

Approved Date

Expiration Date

MAR 20 2012

Conditions of Approval Attached

MAR 20 2012

2/08/2012

Monument 13 State #18
Monument North Field
T19S, R36E, Sec. 13, 1739' FNL & 727' FWL
Job: Plugback to Drinkard and Acidize

Procedure:

This procedure is meant to be followed. It is up to the WSM, Remedial Engineer and Production Engineer to make the decisions necessary to do SAFELY what is best for the well. In the extent that this procedure does not reflect actual operations, please contact RE, PE and Superintendent for MOC.

1. Review rig move checklist. Check location, anchors and pad location ahead of time.
- **Caliper elevators and tubular EACH DAY prior to handling tubing/tools. Note in JSA when and what items are callipered within the task step that includes that work.**
2. MIRU workover unit.
3. Verify that well does not have pressure or flow. If well has pressure, note tubing and casing pressures on wellview report. Bleed down well; if necessary, kill with cut brine water (8.6 ppg).
4. Unseat pump, POOH with rods and pump. Examine rods for wear/pitting/paraffin. Do not hot water unless necessary. ND wellhead, unset TAC, NU BOP. PU 5-1/2" packer and set ~ @ 25', test BOP pipe rams to 250 psi/500 psi. Note testing pressures on wellview report. Release and LD packer.
5. According to well records: **TAC @ 7246', EOT @ 7410', OH TD @ 7513'**. PU 2 joints additional joints tubing and run down so that TAC @ ~ 7306' and EOT @ ~ 7470'. If fill is tagged higher than expected, notify Remedial Engineer.
6. POOH while scanning 2-7/8 6.5# J-55 production tubing. Send all non yellow-band pipe to 1788 yard.

Note: Strap pipe out of the hole to verify depths and note them on wellview report. Send scan log report to hccf@chevron.com.

- **Use CCL with Wedge Dia-Log, Inc. CBL dated March 30, 1998 for depth correlation.**
7. MIRU wireline unit. NU lubricator. Make gauge ring (5-1/2" 17# casing) and junk basket run from surface to 7300'. PU 5-1/2" CIBP and RIH on wireline. Set CIBP at 7280' (40' above top of Abo formation). Dump 35' of cement on top of CIBP.
8. POOH wireline.

9. Shut blind rams. Pressure test casing against CIBP to 500 psi at surface for 30 min. Chart the 30 min test with the presence of the NMOCD Inspector witnessing. If MIT is good, skip to step 11; otherwise, notify Remedial Engineer and continue to step 10.

Note: Please inform NMOCD 24 hours before to send an inspector to witness the test. Chart the test and send it to Denise Pinkerton (JLBM@chevron.com) to file to NMOCD (let inspector sign off on chart. Please do not give test chart to inspector to keep. The inspector signed chart should be sent to Clarence Fite (artificial lift rep for Eunice). Next, Clarence will send the form to Denise Pinkerton who will file it with proper documentation to the OCD.)

- **Caliper elevators and tubular EACH DAY prior to handling tubing/tools. Note in JSA when and what items are callipered within the task step that includes that work.**

10. PU 5-1/2" AS-1X packer on 2-7/8" EUE 8RD 6.5# L-80 workstring and set it @ ~ 3500' to identify casing leak depth. Consult Remedial Engineer to plan remedial work.

- **Use CCL with Wedge Dia-Log, Inc. CBL dated March 30, 1998 for depth correlation.**

11. GIH with 3-3/8" RHSC Gunslinger casing gun (0.42" EH & 47" penetration). Perforate the following intervals with 4 JSPF at 120 degree phasing, using 25 gram premium charges:

- 6700'-6704'
- 6732'-6742'
- 6748'-6761'

POOH w/ gunslinger gun.

12. RDMO wireline unit.

- **Caliper elevators and tubular EACH DAY prior to handling tubing/tools. Note in JSA when and what items are callipered within the task step that includes that work.**

13. PU and RIH with 2-7/8" EUE 8RD 6.5# L-80 workstring and 5-1/2" treating packer with 60' of tail pipe, hydrotesting to 6000 psi while RIH. PU and set packer at 6520' (EOT@ 6580'). Load and test backside to 300 psi. Maintain 300 psi on backside during acid job, bleed off pressure of necessary.

14. MIRU Petroplex acid services, test lines to 6000 psi.

15. Pump into interval 6700'- 6761'. Pump 6000 gals 20% NEFE antisludge HCL acid at a maximum rate of 6 BPM and max treating pressure of 5000 psi dropping a total of 180 balls (1.3 SG) rubber coated nylon (RCN). Drop slugs of 36 balls with every 1000 gals of acid per table below. Displace with 43 bbls of brine fluid. Record ISIP, 5, 10, and 15-minute SIP's.

Acid Treatment @ 6 BPM		
Step	Acid (Gal)	RCN Balls
1	1000	36
2	1000	36
3	1000	36
4	1000	36
5	1000	36
6	1000	0
Total	6000	180

Acid to contain:

- 2 GPT I-8 Corrosion Inhibitor
- 10 GPT FEplex Iron Control Agent
- 20 GPT Petrosol Mutual Solvent
- 2 GPT EP-3 Non-emulsifier

16. RDMO Petroplex. Shut in for 1 hour for acid to spend. Flow back well. If well has no flow, RU Swabbing equipment and swab back. Recover 100% of treatment and load volumes. Report recovered fluid volumes, pressures, and swabbing fluid levels to Production Engineer (Mohammad Siddiqui) and Remedial Engineer.

17. Bleed pressure from well. Kill well if necessary. Release packer, lower down to 6800' to wash out RCN balls off perms. POOH and LD 2-7/8" workstring with treating packer.

18. PU and GIH with 2-7/8" yellow band production string as per ALCR recommendation. ND BOP, set TAC and NU wellhead.

Note: Prior to ND BOP, e-mail or call Remedial Engineer to discuss what we did to mitigate the well control hazard i.e. (kill well with XX fluid, monitor well personally for XX minutes, etc).

19. RIH with rodstring per ALCR recommendation.

20. RDMO workover unit.

21. Turn well over to production. Notify field specialist when complete. Kelly Devilbiss 575-631-9138.

Tubing String

Component Grouping	Part Type	Name of Component	Quantity	Length	Top Depth	Bottom Depth
Tubing String	Tubing - OD 2.875	J-55 2.875 OD/ 6.50# T&C External Upset 2.441 ID 2.347 Drift - N/A	234	7245.75	0	7245.75
Tubing String	Tubing Anchor/Catcher	Tubing Anchor/Catcher 2.875" - Nickel Plated	1	2.7	7245.75	7248.45
Tubing String	Tubing - OD 2.875	J-55 2.875 OD/ 6.50# T&C External Upset 2.441 ID 2.347 Drift	3	93.53	7248.45	7341.98
Tubing String	Tubing - OD 2.875	J-55 2.875 OD/ 6.50# T&C External Upset 2.441 ID 2.347 Drift - Internal Plastic Ctg-TK-99	1	32.15	7341.98	7374.13
Tubing String	Seat Nipple / Shoe	Seat Nipple - Heavy Duty (2.875") Cup Type	1	1.1	7374.13	7375.23
Tubing String	Perforated Tubing Sub	Perforated Tubing Sub 2.875" J-55 8RD EUE 6.5#	1	4	7375.23	7379.23
Tubing String	Mud Anchor	Bull Plug Mud Anchor 2.875" J-55 8RD EUE 6.5#	1	30.28	7379.23	7409.51

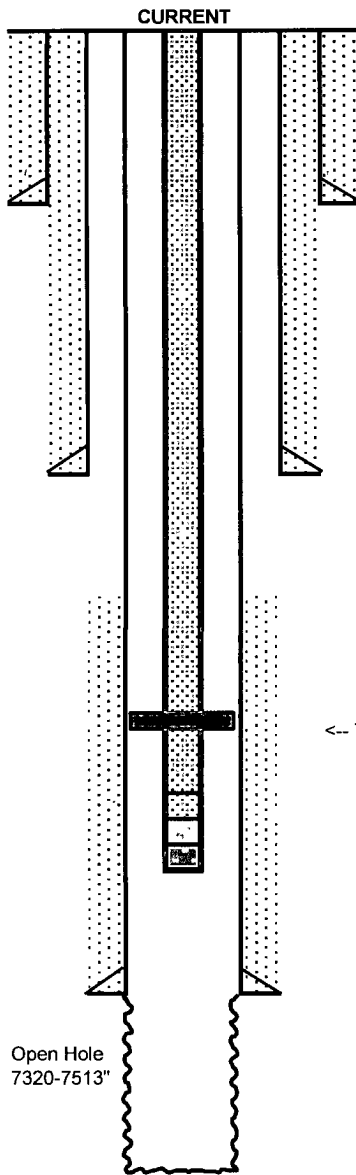
Rod String

Component Grouping	Part Type	Name of Component	Quantity	Length	Top Depth	Bottom Depth
Rod String	Polished Rod	1.500 (1 1/2 in.) Spray Metal x 26 - Spray Metal	1	26	0	26
Rod String	Rod Sub	1.000 (1 in) N-97 (HS) x 2 Rod Sub	1	2	26	28
Rod String	Rod Sub	0.875 (7/8 in) N-97 (HS) x 6 Rod Sub	1	6	28	34
Rod String	Rod	0.875 (7/8 in) N-97 (HS) x 25 Rod	137	3425	34	3459
Rod String	Rod	0.750 (3/4 in) N-97 (HS) x 25 Rod	146	3650	3459	7109
Rod String	Sinker Bar	1.625 (1 5/8 in) C x 25 Sinker Bar	10	250	7109	7359
Rod String	Rod Sub	0.875 (7/8 in) N-90 (D) x 4 Rod Sub - Rod Guides-Molded (3 per rod)	1	4	7359	7363
Rod String	Rod Pump (Insert) (NON-SERIALIZED)	Rod Pump (Insert) (NON-SERIALIZED) - 25-125-RHBC-24-6 (Bore = 1.25)	1	24	7363	7387
Rod String	Gas Anchor (Rod)	Gas Anchor 1.250 OD x 12'	1	12	7387	7399
Surface Casing	Wellbore Hole	Wellbore Hole OD-14.7500 - N/A	1	400	0	400
Surface Casing	Casing/Casing Liner OD 11.750	H-40 11.750 OD/ 42.00# Round Short 11.084 ID 10.928 Drift - N/A	1	400	0	400
Surface Casing	Cement (behind Casing)	Cement	1	400	0	400
Intermediate Casing	Wellbore Hole	Wellbore Hole OD-11.0000	1	2344	400	2744
Intermediate Casing	Casing/Casing Liner OD 8.625	K-55 8.625 OD/ 24.00# Round Short 8.097 ID 7.972 Drift - N/A	1	2744	0	2744
Intermediate Casing	Cement (behind Casing)	Cement	1	2744	0	2744
Production Casing	Wellbore Hole	Wellbore Hole OD- 7.8750	1	4576	2744	7320
Production Casing	Casing/Casing Liner OD 5.500	K-55 5.500 OD/ 15.50# Round Short 4.950 ID 4.825 Drift - N/A	1	7320	0	7320
Production Casing	Cement (behind Casing)	Cement	1	2370	4950	7320
Production Casing	Wellbore Hole	Open Hole Wellbore Hole OD- 7.8750	1	193	7320	7513
Production Casing	Wellbore Completion Detail (Perforations, etc)	Open Hole	1	193	7320	7513

Tubing and Rods Detail

WELL NAME: MONUMENT "13" STATE No. 18		FORMATION: MOUNMENT; ABO, NORTH
LOCATION: 1739 FNL & 727 FWL	SEC: 13	API: 30-025-34222
TOWNSHIP: 19S	COUNTY: LEA	CHEVNO: BP7338
RANGE: 36E	STATE: NEW MEXICO	

GE: 3727' KDB to GE: 13' DF to GE: 12'



Hole 14-3/4"
OD 11-3/4"
Wt. 42#
Gr. H-40, STC
@ 400'
w/ 300 sx cmt
TOC SURFACE

Hole 11"
OD 8-5/8"
Wt. 24#
Gr. K-55, STC
@ 2744'
w/ 900 sx cmt
TOC SURFACE

<-- TAC @ 7246' MD

Open Hole
7320-7513'

Hole 7-7/8"
OD 5-1/2"
Wt. 15.5 & 17#
Gr. K-55, LTC 8RD
@ 7320'
w/ 450 sx cmt
TOC 4950'

TD = 7513'

Spud Date: 2/26/1998
Completion Date: 4/2/1998
Initial Formation: MONUMENT; ABO, NORTH
Interval Completed: From: 7320' To: 7513'
Initial Production: BOPD: 159
MCFPD: 151
BWPD: 0

Completion Data:
MIRU ND Wellhead, NU BOP Drill out cmt ,
circ hole clean Spot 350 gals 15% acid
in open hole, 7513' top 7320' Set Lok-Set
PKR, On/Off Tool w/1 81 "F" Nipple @ 7277'.
Acidize w/6000 glas 28% acid
No perforations indicated on Tour Rpt
Turn over to production 4-2-98

Additional Remarks or Information:

Tubing and rod details on next tab/page Please print
Updated By Mohammad Siddiqui (Sep 29, 2011)