

District I

1625 N. French Dr., Hobbs, NM 88201

District II

1301 W. Grand Avenue, Artesia, NM 88210

District III

1000 Rio Brazos Road, Aztec, NM 87410

District IV

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

RECEIVED

JAN 18 2011
HOBSOCOState of New Mexico
Energy Minerals and Natural ResourcesOil Conservation Division
1220 South St. Francis Dr.
Santa Fe, NM 87505

Form C-101

June 16, 2008

Submit to appropriate District Office

☐ AMENDED REPORTAPPLICATION 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 - 025-03101
³ Property Code 30005	⁵ Property Name STATE "AN"	
⁹ Proposed Pool 1 VACUUM BLINEBRY		¹⁰ Proposed Pool 2

⁷ Surface Location

UL or lot no. A	Section 7	Township 18-S	Range 35-E	Lot Idn	Feet from the 330'	North/South line NORTH	Feet from the 990'	East/West line EAST	County LEA
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⁸ Proposed Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South lin	Feet from the	East/West line	County
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Additional Well Information

¹¹ Work Type Code PLUGBACK	¹² Well Type Code O	¹³ Cable/Rotary	¹⁴ Lease Type Code S	¹⁵ Ground Level Elevation 3963' GL
¹⁶ Multiple NO	¹⁷ Proposed Depth 8945'	¹⁸ Formation BLINEBRY	¹⁹ Contractor	²⁰ Spud Date

²¹ Proposed Casing and Cement Program


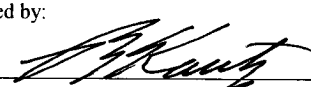
Hole Size	Casing Size	Casing weight/foot	Setting Depth	Sacks of Cement	Estimated TOC
NO CHANGE					

²² Describe the proposed program. If this application is to DEEPEN or PLUG BACK, give the data on the present productive zone and proposed new productive zone. Describe the blowout prevention program, if any. Use additional sheets if necessary.

CHEVRON U.S.A. INC. INTENDS TO RECOMPLETE THE SUBJECT WELL INTO THE VACUUM BLINEBRY FORMATION. THE SUBJECT WELL IS CURRENTLY SHUT-IN DUE TO A DOWNHOLE FAILURE. THE ABO PRODUCTION WILL BE ABANDONED AS A RESULT OF THIS WORKOVER.

PLEASE FIND ATTACHED, THE INTENDED PROCEDURE, WELLBORE DIAGRAM, C-102 PLAT, & C-144 PIT INFORMATION.

Permit Expires 2 Years From Approval
Date Unless Drilling Underway
Plugback

²³ I hereby certify that the information given above is true and complete to the best of my knowledge and belief.		OIL CONSERVATION DIVISION	
Signature: 		Approved by: 	
Printed name: DENISE PINKERTON		Title: PETROLEUM ENGINEER	
Title: REGULATORY SPECIALIST		Approval Date: JAN 25 2011	Expiration Date:
E-mail Address: leakejd@chevron.com			
Date: 01-11-2011	Phone: 432-687-7375	Conditions of Approval Attached <input type="checkbox"/>	

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State of New Mexico

Energy, Minerals & Natural Resources Department

OIL CONSERVATION DIVISION

1220 South St. Francis Dr.

Santa Fe, NM 87505

Form C-102

Revised July 16, 2010

Submit one copy to appropriate

District Office

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number 30-025-03101	² Pool Code 61850	³ Pool Name VACUUM BLINEBRY
⁴ Property Code 30005	⁵ Property Name STATE "AN"	⁶ Well Number 1
⁷ OGRID No. 4323	⁸ Operator Name CHEVRON U.S.A. INC.	⁹ Elevation 3963' GL

¹⁰ Surface Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
A	7	18S	35E		330	NORTH	990	EAST	LEA

¹¹ Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County

¹² Dedicated Acres 40	¹³ Joint or Infill	¹⁴ Consolidation Code	¹⁵ Order No.
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No allowable will be assigned to this completion until all interests have been consolidated or a non-standard unit has been approved by the division.

¹⁶ 	¹⁷ OPERATOR CERTIFICATION I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief, and that this organization either owns a working interest or unleased mineral interest in the land including the proposed bottom hole location or has a right to drill this well at this location pursuant to a contract with an owner of such a mineral or working interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division.	
	Signature: <u>Denise Pinkerton</u> Date: <u>01-11-2011</u> Printed Name: <u>DENISE PINKERTON</u> REGULATORY SPECIALIST E-mail Address: <u>leakejd@chevron.com</u>	
	¹⁸ SURVEYOR CERTIFICATION I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my belief.	
Date of Survey: _____ Signature and Seal of Professional Surveyor: _____ Certificate Number: _____		

New Mexico State "AN" No. 1

API No. 30-025-03101

Workover Procedure

Pre-work:

- Ensure that location plat has been given to Maintenance Planner and that location has been built to fit frac needs. Get plat from Remedial Engineer.
- 1. Rig up pulling unit. POH w/ pump and rods, laying down fiberglass rods.
- 2. ND wellhead. NU BOP. Test BOP to 500 psi. Scan out of hole w/ 2-7/8" production tubing laying down bad joints. The tubing anchor is located 259 joints down @ 8224'.
- 3. RU wireline truck, RIH w/gauge ring to 8,300'. , POOH and run 5-1/2" CIBP on wireline and set at 8,300'. Dump bail 35' cmt on top of CIBP.
- 4. TIH w/production tbg to TOC and load hole with 40 bbls. 9.5 ppg 40 vis mud from 8300' to 6400'.
- 5. POOH standing back production tubing.
- 6. Rig up wireline truck, RIH and set 5-1/2" CIBP @ 6650'. Dump bail 35' cmt on top of CIBP. Test casing to 500 psi.
- 7. Pull Spectral GR-CNL log and from 6600' to 4600'.
- 8. Pull GR-Radial Cement Evaluation log from 6600' to 4600'. Pull one pass with 500 psi on the casing and pull one pass with 0 psi on the casing. Send log results to Paul Brown for analysis.
- 9. WO Technical team analysis for perforation intervals/shot sizes.
- 10. Perforate the 5-1/2" casing as per the Technical Team recommendation, 1 JSPF w/60 degree phasing.
- 11. Rig down wireline truck.
- 12. RIH w/ 5-1/2" treating packer on 3-1/2" L-80 workstring hydro-testing to 8000 psi below the slips and set pkr at 5950'. Load and test BS to 500 psi.
- 13. Acidize Blinbry perms w/ 3,500 gallons 15% NEFE HCl. Pump acid at 8-10 BPM. Drop 50% excess 1.3 S.G. 7/8" ball sealers for diversion. Release pkr and run through perms to knock balls off seat. Pull pkr to ~5,950' and reset. Load and test BS to 500 psi. (Anticipated pressure = 3,000 psi; Maximum pressure = 8,000 psi)
- 14. NU frac valve. Test frac valve to 10,000 psi. Rig down pulling unit.
- 15. Spot 6-500 bbl frac tanks on location. Fill with fresh water.
- 16. Frac Blinbry perms with 97,000 gallons 30# gel and 128,000 lb 16-30 sand and 96,000 lb 16-30 resin coated sand as follows:
 - a. 40,000 gallon gel pad
 - b. 7,000 gallons gel w/ 1 ppg 16-30 sand
 - c. 8,000 gallons gel w/ 2 ppg 16-30 sand
 - d. 8,000 gallons gel w/ 3 ppg 16-30 sand
 - e. 9,000 gallons gel w/ 4 ppg 16-30 sand
 - f. 9,000 gallons gel w/ 5 ppg 16-30 sand
 - g. 16,000 gallons gel w/ 6 ppg 16-30 resin coated sand

New Mexico State AN No. 1

API No. 30-025-03101

Workover Procedure (page 2)

- h. Displace to top perf with gel.
Rate = 40 BPM. Anticipated pressure = 6,000 psi. Maximum pressure = 8,000 psi. Hold 300psi on backside and monitor during job.

17.. Install flowback manifold and flow back load.

- 17. Rig up pulling unit. ND frac valve.
- 18. Release packer and TOH laying down 3 ½" workstring.
- 19. TIH w/ 4-3/4" bit and drill collars on 2-7/8" production tubing. Hydrotest tubing to 5000 psi going into the hole. Rig up reverse unit.
- 20. Clean out sand to CIBP at 6615'. Perform scale squeeze as per Baker Petrolite recommendation. Shut-in well overnight. POOH w/2 7/8" tubing and LD bit.
- 21. RIH w/ 2-7/8" production tubing as per ALCR recommendation.
- 21. ND BOP. NU wellhead.
- 22. RIH w/ pump and rods as per ACLR.
- 23. Place on production and test.

PTB 11/29/10

Contacts: Remedial Engineer – Ty Gill 432-687-7233 /432-853-3652
Production Engineer – Paul Brown 432-687-7351 / 432-238-8755
ALCR – Carlos Valenzuela 575-390-9615
Schlumberger – Lori Ward 432-894-2121
Petroplex Acidizing – Steve Pendleton 432-563-1299 / 432-556-4211
Peak Packers – Sam Prieto 575-631-7704

**CURRENT
WELLBORE DIAGRAM**

Created: 4/21/2003 By: SMG
 Updated: 3/22/2010 By: PTB
 Lease: State AN
 Surface Location: 330' FNL & 990' FEL
 County: Lea St: NM
 Current Status: Active Oil Well
 Directions to Wellsite: Buckeye, New Mexico

Well No.: 1
 Unit Ltr: A
 St Lease: E-7653
 Elevation: 3980' KB
 Field: Vacuum Abo Reef
 Sec: 7 TSHP/Range: 18S-35E
 API: 30-025-03101

Surface Casing

Size:	13 3/8"
Wt.:	36#
Set @:	338'
Sxs cmt:	350
Circ:	Yes
TOC:	Surface
Hole Size:	17 1/2"

Intermediate Casing

Size:	8 5/8"
Wt.:	24# & 32#
Set @:	3299'
Sxs Cmt:	1400
Circ:	No
TOC:	520'
Hole Size:	11"

Production Casing

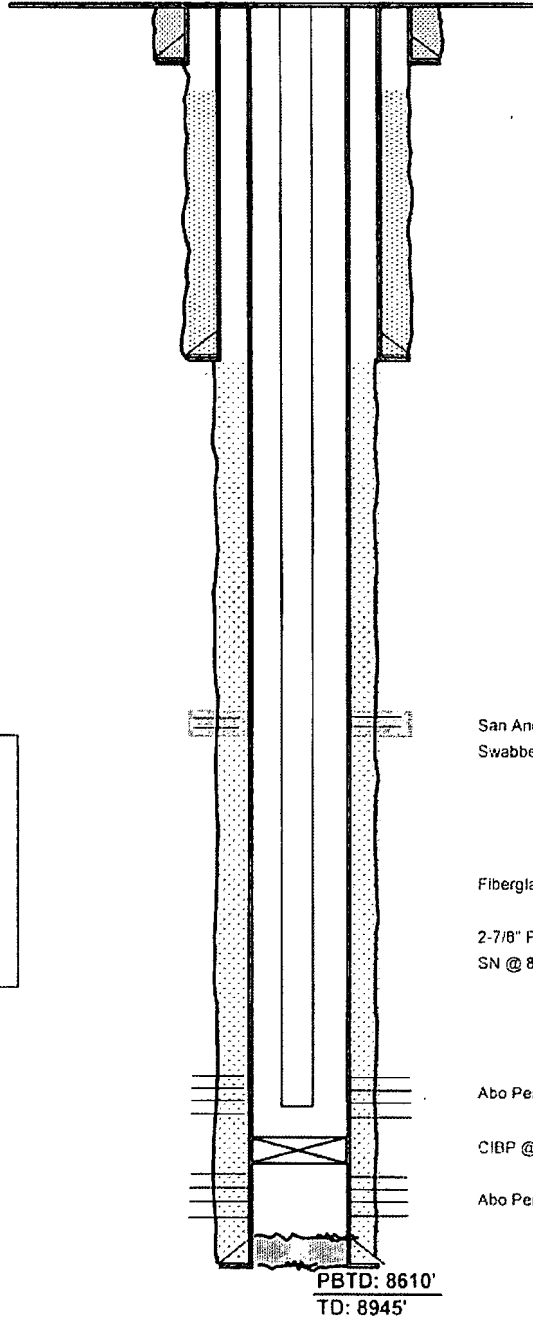
Size:	5 1/2"
Wt.:	15.5# & 17#
Set @:	8944'
Sxs Cmt:	700
Circ:	No
TOC:	3300' - TS
Hole Size:	7 7/8"

12/04- ac perfs 25M gals +6M# RS + 200 BS, 8.5 BPM/654#, ISIP vac

6/05- set CIBP 8610'.
 after 185 BO, 87 BW, 68 MCFPD
 before 32 BO, 216 BW, 9 MCFPD

Perforations

8350'-8535'	(2 JSPF, 188 holes)
8549'-8695'	(2 JSPF, 118 holes)
8736'-8818'	(1spf, 82 holes) RBP



KB: 3980'
 DF: 3980'
 GL: 3963'
 Original Spud Date: 12/22/1961
 Original Compl. Date: 1/26/1962

San Andres Perfs: 4712' 30" (56 holes)
 Swabbed dry. Sqz'd w/ 300 sks

Fiberglass Rod String

2-7/8" Production Tubing
 SN @ 8529'

Abo Perfs: 8350' - 8590'

CIBP @ 8610'

Abo Perfs: 8620' - 8818'

PBTD: 8610'
 TD: 8945'