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

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

Form C-103
Revised July 18, 2013

WELL API NO. 30-015-34285

5. Indicate Type of Lease STATE ☒ FEE ☐

6. State Oil & Gas Lease No.

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

7. Lease Name or Unit Agreement Name: Zebu State

8. Well Number: 1

2. Name of Operator: COG Operating LLC

9. OGRID Number: 229137

3. Address of Operator: One Concho Center, 600 W Illinois Ave, Midland, TX 79701

10. Pool name or Wildcat: Cemetery;Morrow, SE 97031

4. Well Location
Unit Letter E : 3656 feet from the North line and 800 feet from the West line
Section 2 Township 21S Range 24E NMPM County Eddy

11. Elevation *(Show whether DR, RKB, RT, GR, etc.)*: 3816' GL

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

NOTICE OF INTENTION TO:				SUBSEQUENT REPORT OF:			
PERFORM REMEDIAL WORK	☐	PLUG AND ABANDON	☐	REMEDIAL WORK	☐	ALTERING CASING	☐
TEMPORARILY ABANDON	☐	CHANGE PLANS	☐	COMMENCE DRILLING OPNS.	☐	P AND A	☐
PULL OR ALTER CASING	☐	MULTIPLE COMPL	☐	CASING/CEMENT JOB	☐		
DOWNHOLE COMMINGLE	☐						
CLOSED-LOOP SYSTEM	☐						
OTHER: Recomplete to Yeso	☒			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.

COG Respectfully requests to recomplete this well to the WC-015 G-01 S212402M;Yeso, 98162 pool.

Please see the attached procedure.

NM OIL CONSERVATION
ARTESIA DISTRICT
OCT 05 2015
RECEIVED

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 K-C TITLE Lead Regulatory Analyst DATE 10/2/15

Type or print name Kanicia Castillo E-mail address: kcastillo@concho.com PHONE: 432-685-4332

For State Use Only

APPROVED BY: Dade TITLE Dist Supervisor DATE 10/7/15

Conditions of Approval (if any):

Zebu State #1
Recompletion Procedure
Eddy County, NM
Cemetery Field
9-28-15
AFE

Well Information

Eddy County, NM
Field: Cemetery
API: 30-015-34285
SHL: Sec 2, T21S, R24E 3656' FNL & 800 FWL

Well Data:

Conductor Casing:	16" 65# H40 BTC. Set @ 175'. Cmt w/ 300 sk. Cmt @ surf.
Surface Casing:	13-3/8" 54.5# H40 STC. Set @ 290'. Cmt w/ 400 sk. Cmt @ surf.
Intermediate Casing:	9-5/8" 36# J55 STC. Set @ 1504'. Cmt w/ 900 sk. Cmt @ surf.
Production Casing:	5-1/2" 17# M95/P110 LTC. Set @ 10,250'. Cmt w/ 2250 sk. TOC @ 3440'
Tubing:	2-3/8" 4.7# L80. Set @ 9933'. 310 jts.
Rods:	306 ea ¾" Steel + 85 ea 7/8" Steel
Current Perfs:	9777-83'
TA'd Perfs:	9899-9905' – Under CIBP @ 9875'.
KB:	3833'
GL:	3816'
Current Prod:	1 MCF/d

Attachments:

- Current & Proposed WBD's
- Halliburton Frac Pump Schedule
- Halliburton CBL Log
- Halliburton CNL Log
- Halliburton DLL Log

Objective: Plug back Morrow. Perforate, frac and pump test the Lower, Middle & Upper Blinebry zones separately.

Lower Blinebry Procedure:

1. Pull test anchors. MIRU PU. Unhang horse head. POOH and LD 306 ea ¾" steel rods & 85 ea 7/8" steel rods. Send rods & insert pump into yard to be inspected and restocked.

2. ND WH. NU BOP's.

3. Circ & kill well with fresh water. POOH & stand back 310 jts 2-3/8" tbg. Visually inspect the tbg while POOH and only stand back good tbg required for bit/scraper run.

4. PU 4-3/4" bit & csg scraper for 5-1/2" 17#. RIH on 2-3/8" tbg to 9750'. POOH & LD tbg. Send tbg to yard for inspection & restock.

5. MIRU Halliburton WL. RIH w/ 5-1/2" CIBP & set @ 9700'. POOH. Press test CIBP to 1000 psi. RIH & dump bail 35' cement on top of CIBP.

6. RIH w/ 5-1/2" CIBP & 3" HSC guns loaded at 60 degrees phasing. Set CIBP @ 6000'. Press test CIBP to 1000 psi. Perf Lower Blinebry as follows:

LOWER Blinebry				
Top Perf	Bottom Perf	Net Ft	SPF	Total Perfs
5505	5507	3	2	6
5536	5538	3	2	6
5554	5556	3	2	6
5590	5592	3	2	6
5607	5609	3	2	6
	Total	**15**		**30**

7. POOH w/ guns & verify all shots were fired. RD WL.

8. MI 5600' 3-1/2" 9.3# L80 workstring. MI 2 frac tanks and fill with fresh water. Set flowback pit/tank.

9. RIH w/ 5-1/2" packer w/ 3 jts of tailpipe on 3-1/2" WS. Hydrotest tbg to 8000 psi RIH. Set packer @ 5300' with TP @ 5390'. Press test tbg annulus to 1000 psi. Bleed-off press. RD BOP. RU flanged 10K frac stack.

10. MIRU Halliburton frac crew. RU Renegade RA tagging services (Contact 432-524-7239) with SB-124, IR-192 & SC-46 isotopes. Have 1000 gal 15% HCl. Halliburton to perform QC on frac fluid at 120°F. RU frac lines with ball injector. Load ball injector with 45 ea 1.3 SG ball sealers. Install pop-off set @ 1000 psi & press transducer on tbg annulus. Press test lines to 8000 psi. **PMAX for Ballout is 7000 psi.**

11. Trap 500 psi on backside. Est inj rate with 2% KCl sub. Switch to acid. Pump 4 bbl acid and drop 9 balls every 4 bbl acid at 5-6 BPM. Flush to bottom perf with 2% KCl. Obtain ISIP. Surge balls. SI WH & bleed-off lines. Remove ball injector.

12. Retest frac lines to 9000 psi. **PMAX = 8000 psi.** Frac Lower Blinebry with 60,000 lbs 20/40 NWS & 16,000 lbs 20/40 Garnet as follows:

STG	Fluid	PPA	Clean Vol (Gal)	Clean Vol (BBL)	RATE BPM	Sand Stg (lbs)	Slurry (BBL)	TRACER	Time (Min)
1	R9 XL	PAD	3,500	83	35		83	SB-124	2.4
2	R9 XL	0.25	3,500	83	35	875	84	SB-124	2.4
3	R9 XL	1	1,000	24	35	1,000	25	IR-192	0.7
4	R9 XL	2	1,500	36	35	3,000	39	IR-192	1.1
5	R9 XL	3	1,500	36	35	4,500	41	IR-192	1.2
6	R9 XL	4	12,500	298	35	50,000	352	IR-192	10.0
7	R9 XL	4 RCS	4,000	95	35	16,000	113	SC-46	3.2
8	Linear	Flush	2,050	49	35		49		1.4
TOTALS:			**29,550**	**704**		**75,375**	**785**		**22.4**

13. Flush to top perf less 1 bbl. Obtain ISIP, 5, 10, 15 min readings. SI WH. RD Halliburton. Leave well SI overnight. RU choke manifold.

14. Flowback well to pit until well dies. Record water volume & oil cut.

15. ND frac stack. NU BOP. Rel packer. POOH & LD 3-1/2" WS.

16. MI 6100' 2-7/8" 4.7# J55 tbg. RIH w/ 4-3/4" bit and clean out to CIBP @ 6,000'. Circ well clean with 2% KCl. POOH & stand back 5500' tbg.

17. RU Renegade WL. RIH & log the frac'd interval. RD WL.

18. Run tbg and rods as per forthcomimg design.

19. RD Pulling Unit.

20. Pump test well ±4 weeks and/or until production has stabilized with minimal fluid level.

Middle Blinebry Procedure:

1. Pull test anchors. MIRU PU. Unhang horse head. POOH and LD rods.

2. ND WH. NU BOP's.

3. Circ & kill well with 2% KCl. POOH & stand back 2-7/8" tbg. Visually inspect the tbg while POOH and only stand back good tbg required for bit run.

4. PU 4-3/4" bit. RIH on 2-7/8" tbg to 5470'. Circ well w/ 2% KCl. POOH.

5. RIH w/ 5-1/2" CIBP & 3" HSC guns loaded at 60 degrees phasing. Set CIBP @ 5420'. Press test CIBP to 1000 psi. Perf Middle Blinebry as follows:

MIDDLE Blinebry				
Top Perf	Bottom Perf	Net Ft	SPF	Total Perfs
5093	5095	3	2	6
5114	5116	3	2	6
5129	5131	3	2	6
5154	5156	3	2	6
5184	5186	3	2	6
	Total	**15**		**30**

6. POOH w/ guns & verify all shots were fired. RD WL.

7. MI 5200' 3-1/2" 9.3# L80 workstring. MI 2 frac tanks and fill with fresh water. Set flowback pit/tank.

8. RIH w/ 5-1/2" packer w/ 3 jts of tailpipe on 3-1/2" WS. Hydrotest tbg to 8000 psi RIH. Set packer @ 4910' with TP @ 5000'. Press test tbg annulus to 1000 psi. Bleed-off press. RD BOP. RU flanged 10K frac stack.

9. MIRU Halliburton frac crew. RU Renegade RA tagging services (Contact 432-524-7239) with SB-124, IR-192 & SC-46 isotopes. Have 1000 gal 15% HCl. Halliburton to perform QC on frac fluid at 115°F. RU frac lines with ball injector. Load ball injector with 45 ea 1.3 SG ball sealers. Install pop-off set @ 1000 psi & press transducer on tbg annulus. Press test lines to 8000 psi. **PMAX for Ballout is 7000 psi.**

10. Trap 500 psi on backside. Est inj rate with 2% KCl sub. Switch to acid. Pump 4 bbl acid and drop 9 balls every 4 bbl acid at 5-6 BPM. Flush to bottom perf with 2% KCl. Obtain ISIP. Surge balls. SI WH & bleed-off lines. Remove ball injector.

11. Retest frac lines to 9000 psi. **PMAX = 8000 psi.** Frac Middle Blinebry with 60,000 lbs 20/40 NWS & 16,000 lbs 20/40 Garnet as follows:

STG	Fluid	PPA	Clean Vol (Gal)	Clean Vol (BBL)	RATE BPM	Sand Stg (lbs)	Slurry (BBL)	TRACER	Time (Min)
1	R9 XL	PAD	3,500	83	35		83	SB-124	2.4
2	R9 XL	0.25	3,500	83	35	875	84	SB-124	2.4
3	R9 XL	1	1,000	24	35	1,000	25	IR-192	0.7
4	R9 XL	2	1,500	36	35	3,000	39	IR-192	1.1
5	R9 XL	3	1,500	36	35	4,500	41	IR-192	1.2
6	R9 XL	4	12,500	298	35	50,000	352	IR-192	10.0
7	R9 XL	4 RCS	4,000	95	35	16,000	113	SC-46	3.2
8	Linear	Flush	1,900	45	35		45		1.3
TOTALS:			**29,400**	**700**		**75,375**	**781**		**22.3**

12. Flush to top perf less 1 bbl. Obtain ISIP, 5, 10, 15 min readings. SI WH. RD Halliburton. Leave well SI overnight. RU choke manifold.

13. Flowback well to pit until well dies. Record water volume & oil cut.

14. ND frac stack. NU BOP. Rel packer. POOH & LD 3-1/2" WS.

15. MI 5600' 2-7/8" 4.7# J55 tbg. RIH w/ 4-3/4" bit and clean out to CIBP @ 5420'. Circ well clean with 2% KCl. POOH & stand back 5100' tbg.

16. RU Renegade WL. RIH & log the frac'd interval. RD WL.

17. Run tbg and rods as per forthcomimg design.

18. RD Pulling Unit.

19. Pump test well ±4 weeks and/or until production has stabilized with minimal fluid level.

Upper Blinebry Procedure:

1. Pull test anchors. MIRU PU. Unhang horse head. POOH and LD rods.

2. ND WH. NU BOP's.

3. Circ & kill well with 2% KCl. POOH & stand back 2-7/8" tbg. Visually inspect the tbg while POOH and only stand back good tbg required for bit run.

4. PU 4-3/4" bit. RIH on 2-7/8" tbg to 4700'. Circ well w/ 2% KCl. POOH.

5. RIH w/ 5-1/2" CIBP & 3" HSC guns loaded at 60 degrees phasing. Set CIBP @ 4650'. Press test CIBP to 1000 psi. Perf Upper Blinebry as follows:

UPPER Blinebry				
Top Perf	Bottom Perf	Net Ft	SPF	Total Perfs
4200	4202	3	2	6
4228	4230	3	2	6
4305	4307	3	2	6
4343	4345	3	2	6
	Total	**12**		**24**

6. POOH w/ guns & verify all shots were fired. RD WL.

7. MI 4300' 3-1/2" 9.3# L80 workstring. MI 2 frac tanks and fill with fresh water. Set flowback pit/tank.

8. RIH w/ 5-1/2" packer w/ 3 jts of tailpipe on 3-1/2" WS. Hydrotest tbg to 8000 psi RIH. Set packer @ 4010' with TP @ 4100'. Press test tbg annulus to 1000 psi. Bleed-off press. RD BOP. RU flanged 10K frac stack.

9. MIRU Halliburton frac crew. RU Renegade RA tagging services (Contact 432-524-7239) with SB-124, IR-192 & SC-46 isotopes. Have 1000 gal 15% HCl. Halliburton to perform QC on frac fluid at 110°F. RU frac lines with ball injector. Load ball injector with 36 ea 1.3 SG ball sealers. Install pop-off set @ 1000 psi & press transducer on tbg annulus. Press test lines to 8000 psi. **PMAX for Ballout is 7000 psi.**

10. Trap 500 psi on backside. Est inj rate with 2% KCl sub. Switch to acid. Pump 4 bbl acid and drop 9 balls every 5 bbl acid at 5-6 BPM. Flush to bottom perf with 2% KCl. Obtain ISIP. Surge balls. SI WH & bleed-off lines. Remove ball injector.

11. Retest frac lines to 9000 psi. **PMAX = 8000 psi.** Frac Upper Blinebry with 60,000 lbs 20/40 NWS & 16,000 lbs 20/40 Garnet as follows:

STG	Fluid	PPA	Clean Vol (Gal)	Clean Vol (BBL)	RATE BPM	Sand Stg (lbs)	Slurry (BBL)	TRACER	Time (Min)
1	R9 XL	PAD	3,500	83	35		83	SB-124	2.4
2	R9 XL	0.25	3,500	83	35	875	84	SB-124	2.4
3	R9 XL	1	1,000	24	35	1,000	25	IR-192	0.7
4	R9 XL	2	1,500	36	35	3,000	39	IR-192	1.1
5	R9 XL	3	1,500	36	35	4,500	41	IR-192	1.2
6	R9 XL	4	12,500	298	35	50,000	352	IR-192	10.0
7	R9 XL	4 RCS	4,000	95	35	16,000	113	SC-46	3.2
8	Linear	Flush	1,600	38	35		38		1.1
TOTALS:			**29,100**	**693**		**75,375**	**774**		**22.1**

12. Flush to top perf less 1 bbl. Obtain ISIP, 5, 10, 15 min readings. SI WH. RD Halliburton. Leave well SI overnight. RU choke manifold.

13. Flowback well to pit until well dies. Record water volume & oil cut.

14. ND frac stack. NU BOP. Rel packer. POOH & LD 3-1/2" WS.

15. MI 4800' 2-7/8" 4.7# J55 tbg. RIH w/ 4-3/4" bit and clean out to CIBP @ 4650'. Circ well clean with 2% KCl. POOH & stand back 4200' tbg.

16. RU Renegade WL. RIH & log the frac'd interval. RD WL.

17. Run tbg and rods as per forthcomimg design.

18. RD Pulling Unit.

19. Pump test well ±4 weeks and/or until production has stabilized with minimal fluid level.

Paul Figel
Operations Engineering Supervisor
432-688-6679 Direct
432-230-5008 Cell

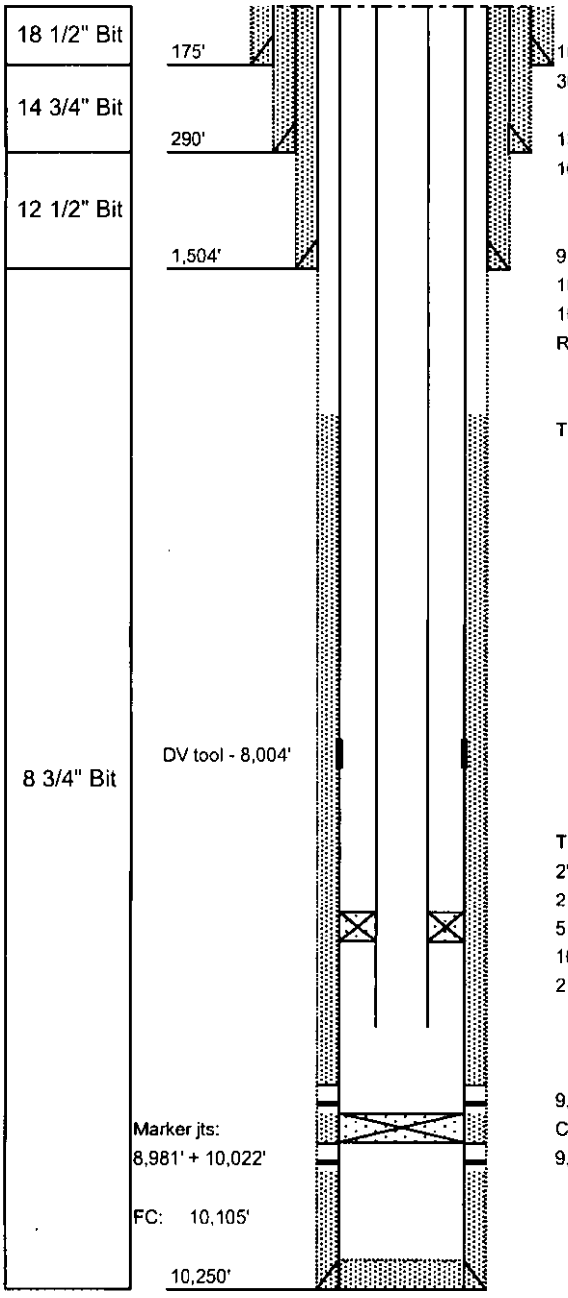
CONCHO

Zebu State #1

API: 30-015-34285
Eddy County, NM
Sec 2, T21S, R24E
SHL: 3,656' FNL, 800' FWL

Zero: 17' AGL
KB: 3,833'
GL: 3,816'
Spud: 8/30/2005

CURRENT WBD



16" @ 175'
300 sx "C" + 37 yds redimix

13 3/8" @290'
100 sx Thixo + 300"C" + 4 yds redimix

9 5/8" @ 1,504'
100 sx Thixo + 450 HLC + 250 sk"C"
100 sx "C" top Job
Redimix to Surface

TOC - 3,440' CBL

Size	Wt	Gr	Conn	Depth
16"	65	H40	BTC	175'
13 3/8"	54.5	H40	STC	290'
9 5/8"	36	J55	STC	1,504'
5 1/2"	17	M95110	LTC	10,250'
2 3/8"	4.7	L80	EUE	

uld+A1

TBG: 298 jts 2 2/3" L80 TBG (310 total)
2' Sub
2 jts - 2 3/8"
5 1/2" TAC @ 9,613'
10 jts 2 3/8"
2 3/8: MSN @ 9,933'
Rods: 306 - 3/4" Steel
85 - 7/8" Steel

9,777' - 83' (42 shots) Morrow (Zaraffin) zone
CIBP 9,875'
9,899 - 9,905' (42 Shots) Morrow

5 1/2" @ 10,250'
1st stage: 600 sx Super H
2nd stage: 1,200 sx HLC + 450 sk Super H

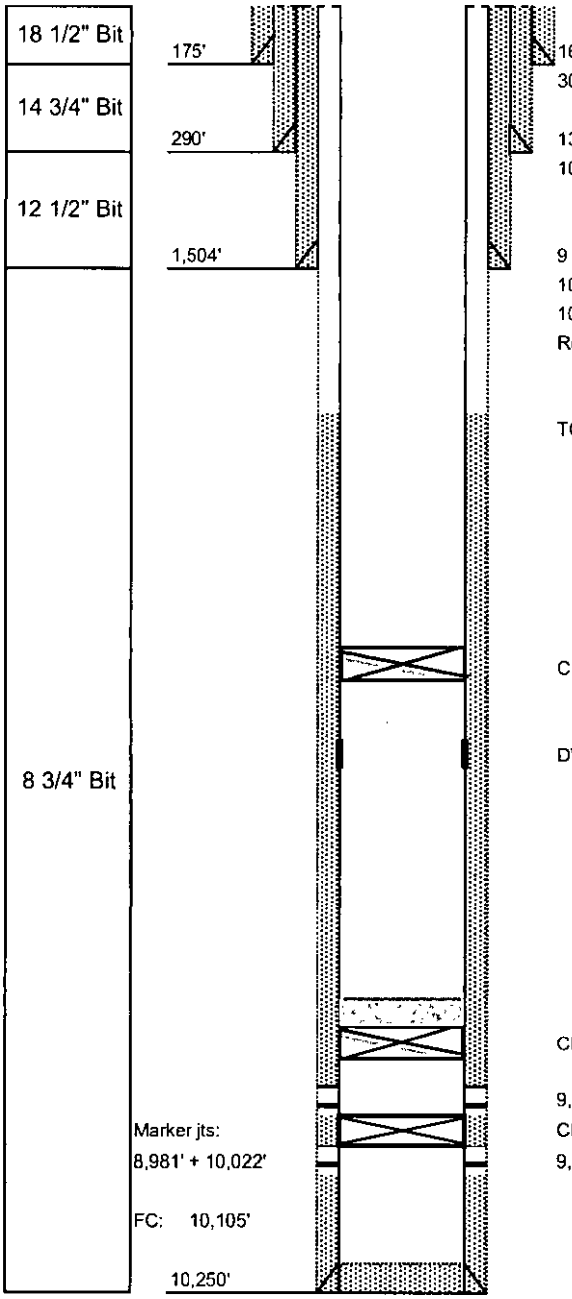
CONCHO

Zebu State #1

API: 30-015-34285
Eddy County, NM
Sec 2, T21S, R24E
SHL: 3,656' FNL, 800' FWL

Zero: 17' AGL
KB: 3,833'
GL: 3,816'
Spud: 8/30/2005

Proposed WBD



16" @ 175'
300 sx "C" + 37 yds redimix

13 3/8" @290'
100 sx Thixo + 300"C" + 4 yds redimix

9 5/8" @ 1,504'
100 sx Thixo + 450 HLC + 250 sk"C"
100 sx "C" top Job
Redimix to Surface

TOC - 3,440' CBL

Size	Wt	Gr	Conn	Depth
16"	65	H40	BTC	175'
13 3/8"	54.5	H40	STC	290'
9 5/8"	36	J55	STC	1,504'
5 1/2"	17	M95110	LTC	10,250'
2 3/8"	4.7	L80	EUE	

CIBP @ 6000'

DV tool - 8,004'

CIBP @ 9700' + 35' cement

9,777' - 83' (42 shots) Morrow (Zaraffin) zone
CIBP 9,875'
9,899 - 9,905' (42 Shots) Morrow

5 1/2" @ 10,250'
1st stage: 600 sx Super H
2nd stage: 1,200 sx HLC + 450 sk Super H

DISTRICT I
1625 N. FRENCH DR., HOBBS, NM 88240

DISTRICT II
1301 W. GRAND AVENUE, ARTESIA, NM 88210

DISTRICT III
1000 Rio Brazos Rd., Aztec, NM 87410

DISTRICT IV
1220 S. ST. FRANCIS DR., SANTA FE, NM 87505

State of New Mexico
Energy, Minerals and Natural Resources Department

NM OIL CONSERVATION
ARTESIA DISTRICT
OCT 05 2015
RECEIVED

OIL CONSERVATION DIVISION
1220 SOUTH ST. FRANCIS DR.
Santa Fe, New Mexico 87505

Form C-102
Revised JUNE 10, 2003
Submit to Appropriate District Office
State Lease – 4 Copies
Fee Lease – 3 Copies

WELL LOCATION AND ACREAGE DEDICATION PLAT

☐ AMENDED REPORT

API Number	Pool Code	Pool Name
30-015-34285	97031	Cemetery;Morrow;Southeast

Property Code	Property Name	Well Number
308104	ZEBU STATE	1

OGRID No.	Operator Name	Elevation
229137	COG Operating LLC	3816'

Surface Location

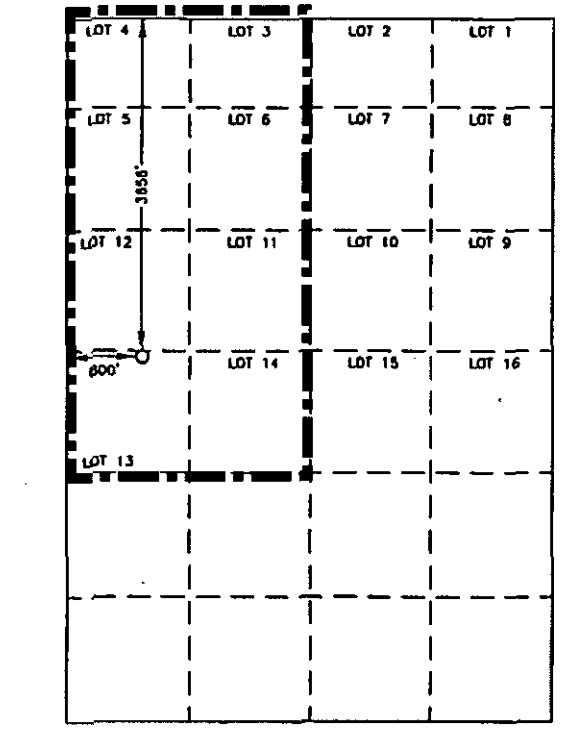
UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
13	2	21-S	24-E		3656	NORTH	800	WEST	EDDY

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

Dedicated Acres	Joint or Infill	Consolidation Code	Order No.
300.9			

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



2000 0 2000 4000 Feet

Scale: 1"=2000'

GEODETIC COORDINATES
NAD 27 NME

Y=550178.0 N
X=456267.3 E

LAT.=32°30'44.89" N
LONG.=104°28'30.73" W

OPERATOR CERTIFICATION

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

Signature

Kanicia Castillo
Printed Name

Lead Regulatory Analyst
Title

10/1/15
Date

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 supervison, and that the same is true and correct to the best of my belief.

FEBRUARY 28, 2005

Date Surveyed JR

Signature & Seal of Professional Surveyor

GARY G. EIDSON
NEW MEXICO
12641
REGISTERED PROFESSIONAL SURVEYOR

3/7/05

05.11.0301

Certificate No. GARY EIDSON 12641