| | | | n | |
|--|---|--|---|--|
| SUNDRY Do not use th | UNITED STATES EPARTMENT OF THE INTERIO SUREAU OF LAND MANAGEMEN NOTICES AND REPORTS O his form for proposals to drill or sill. Use form 3160-3 (APD) for s | N WELLS Arte | sia 5. Lease Se | |
| SUBMIT IN TR | IPLICATE - Other instructions of | on reverse side. | 7. If Unit o | r CA/Agreement, Name and/or No. |
| 1. Type of Well Ø Oil Well Gas Well Ot | her | | 8. Well Nar NORTH | ne and No. I BRUSHY DRAW FEDERAL 35 6H . |
| 2. Name of Operator RKI EXPLORATION & PROE | Contact: HEATH LLC E-Mail: hbrehm@rkixp.com | IER BREHM | 9. API wei 30-015 | II No. -42293-00-X1 |
| 3a. Address 210 PARK AVE SUITE 900 OKLAHOMA CITY, OK 7310 | one No. (include area code) 05-996-5769 15-949-2223 | 10. Field ar CORR/ | ad Poot, or Exploratory AL CANYON | |
| 4. Location of Well (Footage, Sec., 7 | L. R., M., or Survey Description) | <u> </u> | 11. County | or Parish, and State |
| Sec 35 T25S R29E NWNE 17 32.053509 N Lat, 103.571390 | 75FNL 2290FEL | • . | | COUNTY, NM |
| 12. CHECK APP | ROPRIATE BOX(ES) TO INDIC | CATE NATURE OF N | OTICE, REPORT, OF | R OTHER DATA |
| TYPE OF SUBMISSION | | TYPE OF | ACTION | · · · · · · · · · · · · · · · · · · · |
| Notice of Intent | |] Deepen] Fracture Treat | Production (Start/Re Reclamation | esume) 🔲 Water Shut-Off |
| Subsequent Report | Casing Repair | New Construction | Recomplete | Ø Other |
| Final Abandonment Notice | Change Plans | Plug and Abandon | Temporarily Abando | on Drilling Operations |
| | Convert to Injection |] Plug Back | Water Disposal | · |
| following completion of the involved testing has been completed. Final Al determined that the site is ready for f Please refer to the revised WE to the original APD as there w Wellbore will still penetrate the Dedicated acreage in the spar | 3D, drilling program, directional pl as a change in BHL and POP. | multiple completion or reco ter all requirements, includi an, and plat. Revision | mpletion in a new interval, a ng reclamation, have been co s were made A | IF Form 3160-4 shall be filed once ompleted, and the operator has IL CONSERVATION RTESIA DISTRICT |
| 14. I hereby certify that the foregoing is | true and correct. Electronic Submission #310624 v | · · | | |
| Comm | For RKI EXPLORATION & | & PROD LLC, sent to the | e Carlsbad | SF) |
| Name (Printed/Typed) HEATHER | | | TORY ANALYST | |
| The second secon | | | ── ────────────────────────────────── | OR RECORDI |
| Signature (Electronic S | | Date 07/29/20 | 15 77 | |
| | THIS SPACE FOR FED | ERAL UR STATE (| | |
| Approved By | · | Title | | The only (M/ |
| Conditions of approval, if any, are attached sertify that the applicant holds legal or equivities the applicant to condu- which would entitle the applicant to condu- | itable title to those rights in the subject le | | BUREAU OF LAND CARLSBAD FI | D MANAGEMENT IELD OFFICE |
| Fitle 18 U.S.C. Section 1001 and Title 43 States any false, fictitious or fraudulent s | U.S.C. Section 1212, make it a crime for a tatements or representations as to any ma | any person knowingly and v tter within its jurisdiction. | villfully to make to any depa | rtment or agency of the United |

. . . .

`

int or

·

1

i.

** BLM REVISED ** BLM REVISED ** BLM REVISED ** BLM REVISED **

. . .

.

. . DISTRICT 1 10253 provide Bas, 11646, 305 BASIO Thome, 553 Works 1 Jac, 555 Ward20 DISTRICT 11 511 4 prof 31, Arman, 306 BE10 Thome, 555 State 21 at 1255 prof 20720 DISTRICT 111 1000 Bas Provide Advance, 304 8140 Provide (1971 State 21 prof, 104 at 1070 DISTRICT 147 1270 5 St. Thome Iw, Soma Tr., 304 8700 Provide (1971 St. March 20, 301 416) DISTRICT 147 1270 5 St. Thome Iw, Soma Tr., 304 8700 Provide (1971 St. March 20, 301 416) Thome, 1070 St. March 200, 516-1642

State of New Mexico Energy, Minerals & Natural Resources Department OIL CONSERVATION DIVISION 1220 South St. Francis Dr. Santa Fe, New Mexico 87505

Form C-102 Revised August 1, 2011

Submit one copy to appropriate District Office

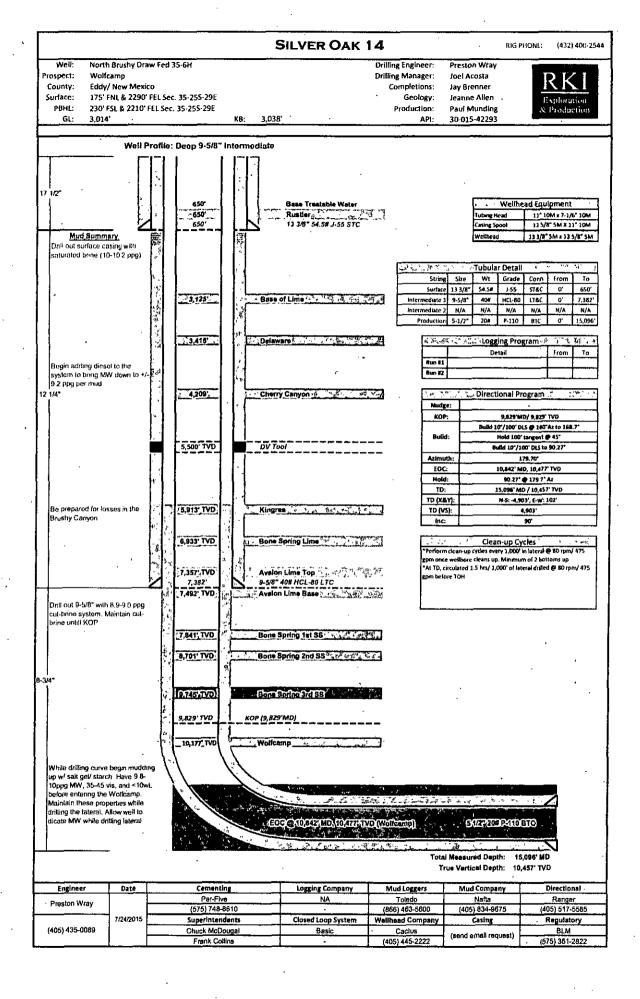
□ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

| | -42293 | | , | Pool Code Pool Name 98145 WC-015-G-06 52529513 UPPER WOLFCAN | | | | | P |
|---------------------|--|----------|---|--|------------------|-------------------|--|---|--------|
| Property C 38962 | 8962 Property Name NORTH BRUSHY DRAW FEDERAL 35 | | | | | | | 6 | |
| | OGRID No. 246289 RKI | | Operator Name RKI EXPLORATION AND PRODUCTION | | | | Eleva 301 | | |
| | | | | | Surface Locat | ion | ······································ | | |
| UL or lot no. | Section | Township | Range | Lot Idn | Feet from the | North/South line | Feet from the | East/West line | Соилту |
| . B | 35 | 25 S | 29 E | | 175 | NORTH | <u></u> 2290 ່ | EAST | EDDY |
| | • • • • • • • • • • | · · | Bott | om Hole I | ocation If Diffe | erent From Surfac | e | <u>, , , , , , , , , , , , , , , , , , , </u> | • |
| UL or lot no. | Section | Township | Kange | Lot Idn | Feet from the | North/South line | Feet from the | East/West line | County |
| 0 | 35 | 25 S | 29 E | · | 230 | SOUTH | 2210 | EAST | EDDY |
| Dedicated Acres | Joint or | Infill | Consolidated Co | le Order | No. | | | | |

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.

| | | OPERATOR CERTIFICATION |
|------------------------|--|--|
| NW COR SEC 35 | 175' | f barreles contrate that the data second state and |
| NMSP-E (NAD 83) | NORTH BRUSHY DRAW 0-2 | 290' herein is true and complete to the best of my |
| N (Y) = 397973.5 | FEDERAL 35 6H SHL | net one to the only complete of the |
| E (X) = 655831.6 | NMSP-E (NAD 83) | |
| LAT = 32"05'36.84" N | N (Y) = 397806.7 | NMSP-E (NAD 83) either owns a working interest or unleased |
| LONG = 103*57'49 00" W | E (X) = 658851.2' | N(Y) = 397988.3 mineral interest in the land including the |
| LONG.* 103.5749.00. W | LAT.= 32"05"35.09" N | r in setting a proposed bottom hole location or has a right to |
| 1 | LONG.= 103"57"13.90" W FIRST TAKE | artic these of the times when at times we are parsuant to a |
| , · · | 330' FNL | Construct when are construct of such a manual of |
| | | LONG = 103'56'47.27" W working interest, or to voluntary pooling |
| | N (Y) = 397748.6" | agreement or a compulsory pooling order |
| | | heretofore entered by the division. |
| | | |
| I | | I F |
| 1 | E (X) = 658932.1 | |
| | LAT = 32"05"33.56" N | |
| | LONG.= 103"57"12.96" W | |
| | | 4 I |
| 1 | NMSP-E (NAD 27) | Signature Date |
| | N (Y) = 397594.2* | Signature Date |
| ł | | |
| | E (X) = 617746.9' | |
| | LAT.= 32.0925317*N | |
| | LONG.= 103.9531171"W | Print Name |
| • | | |
| 1 | | |
| 1 · | | |
| | | E-mail Address |
| · · · | | L'IIOU TOUCA |
| 1 | | |
| 5 | | |
| | ·/ | SURVEYORS CERTIFICATION |
| | i l í | SURVEYORS CERTIFICATION |
| | | I hereby certify that the well location shown on this |
| 1 | | plat was plotted from field notes of actual surveys |
| 1 | | made by me or under my supervision, and that the |
| | | same is true and correct to the best of my belief. |
| | | |
| | - LAST TAKE | |
| | 330' FSL | July 21, 2015 |
| | 2210' FEL | Date of Survey |
| • | | Date of Survey |
| | NMSP-E (NAD 83) | |
| • | | Signature and Seal of Professional Serveyor: |
| | N (Y) = 393003.3* | |
| 1 | E (X) = 658952.8' | Signature and Seal of Protocontal Surveyor: |
| | LAT.= 32*04'47.55" N | |
| | LONG.= 103*57*12.91* W | 5/2 10/3 |
| | | |
| | NORTH BRUSHY DRAW NMSP-E (NAD 27) | |
| | FEDERAL 35 6H BHL N (Y) = 392945.4 | |
| | | |
| | NMSP-E (NAD 83) E (X) = 617767.5' | SE COR SEC 35 |
| • | N (Y) = 392903.3' LAT. = 32.0797521'N | |
| | E (X) = 658953.3' LONG.= 103.9531035"W | |
| | LAT.= 32"04'48.57" N | |
| SW COR SEC 35 | LONG.= 103*57*12.91" W | E (X) = 661164.4' |
| | | LAT = 32*04'44.26" N |
| NMSP-E (NAD 83) | NMSP-E (NAD 27) | LONG.= 103*56'47.21* W |
| N (Y) = 392663.4 | N (Y) = 392845.4 O | |
| E (X) = 655847.1 | E (X) = 617767.9' | 2210' Job No.: WTC50793 |
| LAT.= 32*04'44.30" N | LAT.= 32.0794772"N | 300110 111230793 |
| LONG.# 103*57'49.02" W | LONG.= 103.9531031"W 230' | JAMES E. TOMPKINS 14729 |
| | | Certificate Number |
| | | Contribute requires |



North Brushy Draw Fed 35-6H



17-1/2" Surface Hole

Send SURFACE CASING REQUEST email 3 days prior to running casing

1 Perform pre spud inspection with drilling contractor. Ensure everything is RU completely and functioning properly before spudding in.

2 Contact the BLM 24 hrs prior to spud and notify of spud. Note the time, date, and operator you spoke with in the DDR. Also, note time/date when rig was accepted as well as spud date/time on DDR.

3 PU the following BHA to drill surface

| <u>BHA #1</u> | |
|---------------|---|
| Bit #1 | 17.5" PDC Logic KS619 |
| Bit Sub | |
| Mud Motor | 8" Baker XLLS 7/8, 4.0 stg, ABH @ 1.5° 0.16 rpg |
| Shock sub | Blair Tools Shocksub |
| Roller Reamer | Blair Tools Roller Reamer |
| Drill Collars | (3) 8"Silver DC |
| XO | XO (6-5/8" Reg x 4-1/2" XH) |
| Drill Collars | (9) 6" Silver Oak DC |
| HWDP . | 5" XH Casey Equip HWDP |
| , | |

4 Pump Setup

| <u>Pump #1</u> | | | | Pump #2 | 2 |
|-----------------|-----------|------------------|-----------------|----------|------------------|
| Liner Size | 6 | in | Liner Size | 6 | in |
| Stroke Length | 12 | in | Stroke Length | 12 | . in |
| Eff | 0.95 | % | Eff | 0.95 | % ! |
| Output | 0.0997272 | bbl/stk | Output | 0.099727 | bbi/stk |
| Pump Rate | 356 | gpm @85 stk/min | Pump Rate | 356 | gpm @85 stk/min |
| Pump Rate | 461 | gpm @110 stk/min | Pump Rate | 461 | gpm @110 stk/min |
| Pressure Rating | 3736 | psi (80% of max) | Pressure Rating | 3736 | psi (80% of max) |

5 Drill 17-1/2" surface to +/- 650'

•Take surveys every 90' to TD, contact OKC if deviation exceeds 3 degrees

• Pump +/-800 gpm and vary WOB (25-30K) and RPM (100-120) to maximize p-rate

Sweep hole clean prior to TOH.

• Pump fuild caliper prior to TOH f/ casing

• Run GYRO prior to TOH f/ casing, if needed

6 Mud Properties (see attached mud program for details)

| inter i l'operates | See allabile | e men propri | |
|--------------------|--------------|--------------|-------------|
| | MW | 8.3-9.0 | ppg |
| | Vis | 32-40 | sec/qt |
| From Spud to | PV | 3-12 | ср |
| Surface TD | YP | 4-14 | lb/100ft sq |
| | API FL | NC | mL/30min |
| | Solids | 3-5 | % |

RU casing crew and run

7

of 13-3/8" 54.50# J-55 STC

•Run guide shoe, 1 joint of casing, & float (tack weld float euipment)

Centralize first 3 joints and every other joint to surface

. •Run cement basket @ base of conductor, if losses occur while drilling discuss not running cement basket with engineer

650'

| 13-3/8" 54.50# J-55 STC | | | | | |
|-------------------------|------------|--------------|----------------|--|--|
| Collapse (100%) | 1,130 psi | Displacement | 0.6946 cuft/ft | | |
| Burst (100%) | 2,730 psi | Displacement | 0.12372 bbl/ft | | |
| Yield (100%) | 514,000 lb | Capacity | 0.1546 bbl/ft | | |

8 RD casing crew and rig up cementers (Par Five). Have 1" tubing available for top out. Pump the following volumes

| Pre Flush: | 20 bbl | Gel Spacer |
|------------|--------------|---|
| Lead: | 368 sks | Class C w/ 4%PF20, 1%PF1,.125pps PF29, .4pps PF45 |
| Density | 13.5 ppg | |
| Yield | 1.73 cuft/sk | |
| Mix H2O | 9.123 gal/sk | |
| Excess | 200% | 2 |
| Tail | 200 sks | Class C w/ 1%PF1 |
| Density | 14.8 ppg | |
| Yield | 1.33 cuft/sk | |
| Mix H2O | 6.309 gal/sk | |
| Excess | % | |
| | | • |

Top of cement calculated to surface. Confirm cement volumes with fluid caliper prior to pumping.

Displacement 93.7 bbls Brine water

•Recalculate displacement volumes to float collar once casing is landed. Do not over displace.

• Release pressure and verify that float is holding. If float does not hold, pressure up and check again. If float still does not hold, trap final displacement pressure + 500 psi for 4 hours.

• Note: if cement is not circulated to surface, notify engineer and superintendent. Contact TRRC and call out wireline truck for temp survey.

9

Install 13-3/8" SOW x 13-5/8" SM starting head with 2" SM ball valve on one outlet and bull plug on the other, test head to 1000 psi. NU BOPE and test with 3rd party company to 250 psi low/5000 psi high (annular to 250 psi low/ 2000 psi high). Keep charted tests on file for duration of well.

• Contact Riley Stafford @ Cactus Wellhead, 405-445-2222 for casing head.

· Install wear bushing prior to drilling out.

12-1/4" Intermediate Hole

Send INTERMEDIATE CASING REQUEST email at least 3 days prior to running casing 1 PU the following BHA;

| Bit | 12-1/4"PDC Logic PLSs616S6E PDC/(3x14's,3x15's) TFA:0.9687 | | | |
|----------------|--|--|--|--|
| Vertical Scout | Vertical Scout | | | |
| Mud Motor | 9-5/8", Turbo Scout, 7/8 3.4 stg/0.08 rpg/ w/ 12-1/8" stabilizer | | | |
| NMDC | Scout Pony NMDC | | | |
| UBHO | Scout UBHO | | | |
| NMDC | Scout NMDC/ MWD w/gamma | | | |
| IBS | Rental 12-1/8" IBS (1/8" under gauge) | | | |
| Drill Collars | (3) 8" DC | | | |
| Drill Collars | (9) 6" DC | | | |
| Jars | Blair Tools Hydraulic Jars | | | |
| HWDP · | 5" HWDP | | | |

2 Pump Setup

| | <u>Pump #1</u> | | | Pump #2 | <u>.</u> |
|-----------------|----------------|------------------|-----------------|----------|------------------|
| Liner Size | 6 | in | Liner Size | 6 | in |
| Stroke Length | 12 | in | Stroke Length | 12 | in |
| Eff | 0.95 | % | Eff | 0.95 | % |
| Output | 0.0997272 | bbi/stk | Output | 0.099727 | bbl/stk |
| Pump Rate | 356 | gpm @85 stk/min | Pump Rate | 356 | gpm @85 stk/min |
| Pump Rate | 461 | gpm @110 stk/min | Pump Rate | 461 | gpm @110 stk/min |
| Pressure Rating | 3736 | psi (80% of max) | Pressure Rating | 3736'≦; | psi (80% of max) |

3 TiH to float collar, test casing to 1500 psi for 5 min prior to drilling out float euipment.

4 Drill shoe track and drill ahead following sound drilling practices.

• Pump +/-800 gpm and vary WOB and RPM to maximize ROP.

• Drill out with a 10-10.2ppg saturated brine (150-180K chlorides)

· Run centrifuge as needed to control weight, DO NOT dilute with FW to control weight

Planned nudge:

Begin introducing diesel into the sytem at
 4,000' TVD

• Diesel will be used to cut MW to +/-9.2 ppg (roughly 60/40 WOR), see mud program for details and mixing procedures.

• Take surveys every +/- 90' (must take survey every 200' per TRRC)

• Lost circulation is possible through the Delaware formations. Be sure MW is below 9.4 ppg (from the addition of diesel) before drilling into the Brushy Canyon. If seepage/ losses occurs, treat with LCM. If complete losses occur, PU above loss zone, spot an LCM pill and allow hole to heal for an hour before attempting to establish returns.

• Planned TD for this hole section is **7,382'** . Confirm casing point with onsite geologist and engineer prior to TOH. Be sure to drill +/-20' of rathole so casing can be landed in the wellhead.

•Once TD is reached, circulate hole clean and TOH f/ logs

We will be running OH logs f/ TD to surface with
 NA

5 Mud Properties (see attached mud program for details)

| Interval | Mud Type | | Properti | es |
|---------------------------------|--------------|-----------|----------|-------------|
| | · · | MW | 10-10.2 | ppg |
| | ļ | Vis | 29-32 | sec/qt |
| Surface csg - | Brine | PV | NC NC | ср |
| 4;000' TVD | Brine | YP | NC⊊_> | lb/100ft sq |
| | | API FL | NC | mL/30min |
| | | Chlorides | 150-180K | ppm |
| | | MW | 9.2-9.3 | ppg |
| | | Vis | 32-40 | sec/qt |
| 4 0001 71/D | | PV | 10-12 | ср |
| 4,000' TVD - Intermediate TD | Diesel-Brine | ΥP | 10-12 | lb/100ft sq |
| | | API FL | NC | mL/30min |
| | | Chlorides | 150-180K | ppm |
| | | Diesel | 30-35 | % |

6 R/U casing crew and run 9-5/8" 40# HCL-80 LTC casing as follows;

• Pull wear bushing before running casing!

- Float Shoe
- 1 joint
- Float Collar

• DV Tool @ 5,500'

Confirm casing tally with engineers prior to running

| 9-5/8" 40# HCL-80 LTC | | | | | | |
|-----------------------|---------|-----|--------------|------------------------|----------------|--|
| Collapse | 4,230 - | psi | Annular Vol. | 12-1/4" x 9-5/8" csg | 0.3132 cuft/ft | |
| Burst | 5,750 | psi | Annular Vol. | 13-3/8"csg x 9-5/8"csg | 0.3627 cuft/ft | |
| Yield | 837,000 | lb | Capacity | - | 0.0758 bbl/ft | |

• It is not required to tag bottom to verfiy hole depth.

· Before making up mandrel and landing joint, verify correct number of joints were left out

· Verify casing landed properly through sight ports in wellhead.

7 RD casing crew and rig up cementers (Par Five). Circulate 1.5 times casing capacity to ensure casing is clear. Pump the following volumes

| | Final cement volum | nes will be emailed out prior to running casing. |
|--|--------------------|---|
| <u>1st Stage:</u> <u>Pre Flush:</u> | 20 bbl | Gel Spacer w/ Dye |
| Lead: | 677.sks | PVL w/ 1.3%PF44, 5%PF174,.5% PF606, .3% PF813,.1%PF153, |
| Density | 13 ppg | .4ppsPF45 |
| Yield | 1.48 cuft/sk | |
| Mix H2O | 7.609 gal/sk | |
| Excess | 1.7 | 70% |
| DV Tool | 5,500' | 1. 1. ž. 17.20 p |
| Displacement | 556.2 bbls | Cut Brine |

• Bump plug to 500 psi over final displacement pressure. Release pressure to verify floats are holding.

• Drop DV opening tool, wait +/- 45 minuntes, and pressure up to +/-750 psi to open tool.

Circulate 4 hrs through DV Tool with prior to pumping 2nd stage

2nd Stage:

| Lead: | 1377 sks | 35/65 Poz Class C w/ 5%PF44, 6%PF20, 125pps PF29, |
|---------------|-----------------|---|
| Density | 11.6 ppg | .4pps PF45, 3pps PF42, 1%PF79, 4%PF61 |
| Yield | 2.87 cuft/sk | |
| Mix H2O | 16.787 gał/sk | |
| Excess | 2.6 | 160% |
| Top of Cement | Surface | |
| · · | · · · · · · · · | , |
| Tail | 175 sks | Class C w/ .2% PF13 |
| Density | 14.8 ppg | |
| Yield | 1.33 cuft/sk | |
| Mix H2O | 6.307 gai/sk | |
| Excess . | · % | |
| | | |
| Displacement | 416.9 bbls | Cut Brine (+/-9.0-9.2) |
| | | |

8 RD cementers and set pack off with Cactus Wellhead representative
Test upper and lower seals to 5000 psi.

8-3/4" Veritcal

Send PRODUCTION CASING REQUEST email at least 3 days prior to running casing

1 PU the following BHA

| | Component: | Details: | | |
|---|------------|-------------------|--|--|
| | Bit #1 | 8-3/4" Insert bit | | |
| 1 | Bit Sub | | | |

2 TIH to DV Tool,

•Test casing before drilling DV Tool to 1,500 psi for 30 minutes. If surface pressure loss is greater than 10% of initial test pressure, contact engineer.

•Drill DV Tool and repeat casing test to 1,500 psi for 30 minutes. If surface pressure loss is greater than 10% of initial test pressure, contact engineer.

*Continue to TIH to FC, drill shoe track and 10'-15' of formation

•Perform FIT to 11.0 ppg MW equivalent

TOH f/ directional assembly

3 PU the following BHA

| Bit #1 | 8.75" PDC Logic PLT 616D (3x12, 3x11) | |
|----------------|---|--|
| Vertical Scout | Vertical Scout | |
| Mud Motor | 6-3/4" Turbo Scout mtr 7/8 5 stg/0.28 rpg/ w/ 8-5/8" stab | |
| NMDC | Scout Pony NMDC | |
| UBHO | Scout UBHO | |
| NMDC | Scout NMDC/ MWD w/gamma | |
| IBS | Rental 8-5/8" IBS (1/8" under gauge) | |
| Drill Collars | (6) 6" Silver Oak DC | |
| XO | | |
| HWDP | 5" HWDP (Casey Equip) | |

4 Pump Setup

| | Pump #1 | · | | Pump #2 | 2 |
|-----------------|-----------|------------------|-----------------|----------|--------------------------------------|
| Liner Size | 6 | in | Liner Size | 6 | in |
| Stroke Length | 12 | in | Stroke Length | 12 | in |
| Eff | 0.95 | % | Eff | 0.95 | %, |
| Output | 0.0997272 | bbl/stk | Output | 0.099727 | bbl/stk |
| Pump Rate | 356 | gpm @85 stk/min | Pump Rate | . 356 | gpm @85 stk/min |
| Pump Rate | . 461 | gpm @110 stk/min | Pump Rate | 461 | gpm @110 stk/min |
| Pressure Rating | , ,3736 | psi (80% of max) | Pressure Rating | 3736 | psi (80% of max) |

5 Drill ahead following sound drilling practices.

• Pump maximize gpm and vary WOB and RPM to maximize ROP.

Contact OKC in target window is exceeded (target window = 50' radius around well plan)

•Utilize a cut-brine mud sytem (see mud program). Mud additives should be keep to a minimum while drilling the hole section

•Planned KOP is 9,829' TVD , TOH +/-100' before planned KOP

•Circulate hole clean and TOH for logs. (verfiy OH logs will be run w/ engineer)

6 Logging Program (verify logging program with engineer)

| | Company | | Interval | |
|--------|---------|----------|----------|----------------|
| | сопрану | Log Type | To: | From: |
| Run #1 | NA | 0 | 0' | 0' |
| Run #2 | NA | 0 | 0' | 0 ¹ |

7 Mud Properties (see attached mud program for details)

| | мw | 9.0-9.3 | ppg |
|-----------------|--------|---------|-------------|
| | Vis | 28-32 | sec/qt |
| From 9-5/8" csg | PV | - | . ср |
| to KOP | YP | - | lb/100ft sq |
| | API FL | NC | mL/30min |
| ; | Solids | < 3 | % |

8-3/4" Curve

1 PU the following BHA

| Bit #1 | 8.75" Baker HP624 (Kymera) | |
|-----------------|---|--|
| Mud Motor | 6.5" Baker 5/6; 6.0 stg ABH @ 2.25°, 0.33 rpg | |
| UBHO | Drill Tech UBHO | |
| NMDC 6.5" Monel | | |
| NMDC | 6.5" Flex Monel | |
| DP · | 20 Stds -5" DP (Casey Equipment) | |
| HWDP | 16 Stds- 5" HWDP (Casey Equipment) | |

2 Pump Setup

| | <u>Pump #1</u> | • | | Pump #2 | 2 |
|-----------------|------------------------|------------------|-----------------|----------|------------------|
| Liner Size | 6 | in | Liner Size | 6 | - in |
| Stroke Length | 12 | in | Stroke Length | 12 | in |
| Eřf | 0.95 | % | Eff | 0.95 | % |
| Output | 0.0997272 [.] | bbl/stk | Output | 0.099727 | bbl/stk |
| Pump Rate | 356 · | gpm @85 stk/min | Pump Rate | 356 | gpm @85 stk/min |
| Pump Rate | 461 | gpm @110 stk/min | Pump Rate | 461 | gpm @110 stk/min |
| Pressure Rating | j3736_ <i>∞</i> | psi (80% of max) | Pressure Rating | 3736 | psi (80% of max) |

3 Drill ahead following sound drilling practices.

• Pump maximum gpm and vary WOB to maximize ROP.

Kick off 100' above planned KOP

Build curve per attached directional plan.

• Slide 100% until the first survey is seen. Adjust rotate/ slide ratio based on motor yield.

• If at any point while building the curve the motor is yielding less than DLS required to land on target, call and discuss with Superintendent and Engineer.

• Once curve is landed, circulate hole clean and TOH f/ lateral assembly, refer to Wolfcamp tripping procedures below.

4 Directional Details:

| KOP: | 9,829'MD/ 9,829' TVD | | |
|----------|---------------------------------------|--|--|
| | Build 10°/100' DLS @ 140°Az to 168.7° | | |
| Build: | Hold 100' tangent @ 45° | | |
| Γ | Build 10°/100' DLS to 90.27° | | |
| Azimuth: | 179.7 | | |
| EOC: | 10,842' MD, 10,477' TVD | | |
| Hold: | 90.27° @ 179.7° Az | | |

5 Mud Properties (see attached mud program for details)

| <u></u> | MW | 9.4-10.0 | ppg |
|-----------------|--------|----------|-------------|
| | Vis | 35-45 | sec/qt |
| | PV | 10-20 | ср |
| From KOP to EOC | YΡ | 10-20 | lb/100ft sq |
| | API FL | 8-10 | mL/30min |
| | Solids | < 3 | % |

• Begin a gradual mud up w/ Starch and Salt Gel while drilling the curve

Mud up should be complete by top of Wolfcamp

• Allow well to dictate MW

8-3/4" Production Lateral

1 PU the following BHA

| Bit #1 | 8.75" PDC (discuss w/ engineer) |
|--------------------------------|--|
| Mud Motor | 6.5" Baker 5/6, 6.0 stg ABH @ 1.5°, 0.33 rpg |
| UBHO | Drill Tech UBHO |
| NMDC | 6.5" Monel |
| NMDC | 6.5" Flex Monel |
| DP | 20 Stds -5" DP (Casey Equipment) |
| XRV . | TTS XRV Agitator |
| DP | 5" DP (Casey Equipment) |
| HWDP 5" HWDP (Casey Equipment) | |

2 Pump Setup

| | Pump #1 | | Pump #2 | | | | | | | | |
|-----------------|--------------------------------|--------------------|-----------------|-------------|-------------------|--|--|--|--|--|--|
| Liner Size 6 | | in | Liner Size | 6 | in - | | | | | | |
| Stroke Length | 12 | in | Stroke Length | 12 | in | | | | | | |
| Eff | 0.95 | % | Eff | 0.95 | % | | | | | | |
| Output | 0.0997272 | bbl/stk | Output | 0.099727 | bbl/stk | | | | | | |
| Pump Rate | 356 | gpm @85 stk/min | Pump Rate | 356 | gpm @85 stk/min | | | | | | |
| Pump Rate | Pump Rate 461 gpm @110 stk/min | | Pump Rate | 461 | gpm @110 stk/min | | | | | | |
| Pressure Rating | 3736 | · psi (80% of max) | Pressure Rating | l) · 3736 🔅 | 'psi (80% of max) | | | | | | |

3 Drill ahead following sound drilling practices.

• Drill lateral per attached directional plan

• Target Window: 20' high/low; 50' left/right

• Pump maximum gpm and vary WOB and RPM to maximize ROP.

• Monitor PU, SO, and ROT weights and TQ while drilling the lateral for hole cleaning indications.

• Perform clean-up cycles every +/- 1,000' (or as needed) @ 450 gpm / 85 rpm

•Wolfcamp Tripping Procedure: Circulate hole clean. Pump first 10 stands off bottom and break circulation every 500'. Ensure hole is taking proper fill. If well is flowing, calculate/ pump ECD pill before continuing to TOH. If excess drag is seen or hole is packing off, STOP and circulate hole clean before continuing to TOH! Stop before BHA reaches EOC and circulate hole clean before tripping BHA through the curve.

• USE DP SCREEN ANYTIME PUMP IS ON THE HOLE !!

4 Directional Details:

| Target TVD | 10,477' |
|---------------|------------------------------|
| Target Window | 20' high/low; 50' left/right |
| TD: | 15,096' MD / 10,457' TVD |
| TD (X&Y): | N-S: -4,903', E-W: 102' |
| TD (VS): | 4903 |
| Inc: . | 90.27* |

5 Mud Properties (see attached mud program for details)

| | MW | 9.4-10.0 | ppg |
|-----------------|--------|----------|-------------|
| | Vis | 35-45 | sec/qt |
| From KOP to EOC | PV | 10-20 | ср |
| From KOP to EOC | ΥP | 10-20 | lb/100ft sq |
| | API FL | 8-10 | mL/30min |
| | Solids | < 3 | % |

Maintain a 10 WL or lower throughout the lateral

Allow well to dictate MW

• Discuss the addition of lubricants with Superintendent and Engineer if sliding becomes an issue in the lateral.

6 Clean-up Cycle/ TOH @ TD Procedure

• TD well at BHL per directional plan, confirm TD with Superintendent and Engineer

Circulate 1.5 hrs for every 1,000' of lateral @450 gpm/85 rpm. Recipocate pipe while performing clean-up.
 Record PU/SO/ROT string weights and TQ every hour (in clean-up cycle spreadsheet) and send to Engineer and Superintendent for review prior to TOH.

•Pump first 10 stands off bottom and break circulation every 500'. Ensure hole is taking proper fill. If well is flowing, calculate/ pump ECD pill before continuing to TOH. If excess drag is seen or hole is packing off, **STOP** and circulate hole clean before continuing to TOH!

• Stop before BHA reaches EOC and circulate hole clean before tripping BHA through the curve.

• USE DP SCREEN ANYTIME PUMP IS ON THE HOLE!!

• Begin LD drill pipe @ KOP

7 Production Casing Requirements

3rd Party casing inpection must be monitored by TH Hill

Torque Turn must be utilized while running casing

Thread rep must monitor casing run if premium thread is utilized.

• TH Hill representative must monitor casing run

8 R/U casing crew and run 5-1/2" 20# P-110 BTC casing as follows;

•Pull wear before running casing!

Float Shoe

• 2 joints

Float Collar w/ latch down plug

Marker joints @ middle of lateral and 500' above KOP

Confirm casing tally with engineers prior to running

| | 5-1/2" 20# P-110 BTC | | | | | | | | | | | |
|----------|----------------------|-------|--------------|------------------------|----------------|--|--|--|--|--|--|--|
| Collapse | 11,080 | psi | Annular Vol. | 8-3/4" x 5-1/2" csg | 0.2526 cuft/ft | | | | | | | |
| Burst | 12,360 | psi : | Annular Vol. | 9-5/8"csg x 5-1/2" csg | 0.2607 cuft/ft | | | | | | | |
| Yield | 641,000 | lb | Capacity | - | 0.0222 bbl/ft | | | | | | | |

Tag bottom to verfiy hole depth.

9 RD casing crew and rig up cementers (Par Five). Circulate 1.5 time casing capacity to ensure casing is clear. Pump the following volumes

Final cement volumes will be emailed out prior to running casing.Pre Flush:30 bblPar Five Mud Wash

| • | | • , |
|-------------|----------------|---|
| Lead: | 652 sks | PVL w/ 1.3%PF44, 5%PF174,.5% PF606, .4% PF813, .1% PF153, |
| Density | 13 ppg | .4 pps PF45, |
| Yield | 1.48 cuft/sk | |
| Mix H2O | 7.573 gai/sk | |
| Excess | 1.35 | 35% |
| Top of Cmt | . 6,882' | |
| <u>Tail</u> | 950 sks | AcidSolid PVL w/ 1.3%PF44, 5%PF174,.1% PF153,.7% PF606, |
| Density | 13 ppg | .4% PF813, 30% PF151, .4pps PF45 |
| Yield | 1.89 cuft/sk | |
| Mix H2O | 9.632 gal/sk | |
| Excess | 1.35 | 35% |

Displacement 333.3 bbls Freshwater

Recalculate displacement volumes to float collar once casing is landed.

If plug does not bump at calculated displacement, call OKC to discuss options before overdisplacing.
Release pressure and verify that float is holding. If float does not hold, pressure up and check again. If

float still does not hold, trap final displacement pressure + 500 psi for 4 hours.

10 ND BOPE and NU 7-1/16" 10M x 11" 10M tubing head and test to 5,000 psi. Note tubing head specs and test details in DDR.

11 Clean pits and prep to release rig. Clear location of trash and verify mouse hole and rat hole are properly covered or abandoned.

Appendix

a.

| Hole Section | Wellbore | Annular Volume | | | | |
|--------------|-----------------------|-----------------------|---------|---------|--|--|
| | Outside | Inside | cuft/ft | bbl/ft | | |
| Surface | 17-1/2" | 13-3/8" 54.5# J-55 | 0.6946 | 0.12372 | | |
| Intermediate | 13-3/8" 54.5# J-55 | 9-5/8" 40# HCL-80 LTC | 0.3627 | 0.0646 | | |
| | 12-1/4" | 9-5/8" 40# HCL-80 LTC | 0.3132 | 0.05578 | | |
| Production | 9-5/8" 40# HCL-80 LTC | 5-1/2" 20# P-110 BTC | 0.2607 | 0.0464 | | |
| | 8-3/4" | 5-1/2" 20# P-110 BTC | 0.2526 | 0.04499 | | |

| Ъ. | | Capacities | | |
|-----|--------------|-------------------------|----------|--------|
| | Surface | 13-3/8" 54.50# J-55 STC | 0.1546 | bbl/ft |
| - (| Intermediate | 9-5/8" 40# HCL-80 LTC | 0.0758 | bbl/ft |
| | Production | 5-1/2" 20# P-110 BTC | 0.0222 / | bbl/ft |

| c. | |
|----|--|
| | |

| Liner Pressure Rating | | | | | | | | |
|-----------------------|--------------------|---------------------------|--|--|--|--|--|--|
| Liner Size (in) | Max Pressure (psi) | 80% Pressure Rating (psi) | | | | | | |
| 5 | 5000 | 4000 | | | | | | |
| 5.5 | 5000 | 4000 | | | | | | |
| 6 | 4670 | 3736 | | | | | | |
| 6.25 | 4300 | 3440 | | | | | | |
| 6.5 | 3975 | 3180 | | | | | | |
| 6.75 | 3690 | 2952 | | | | | | |
| 7 | 3430 | 2744 | | | | | | |

d. Drill Pipe Specs

•See attached

DISTRICTI 1025 N. Franch Dv., Hubbe, NN# 38240 Phone: 45751 993-0161 Fax: (5751 993-0720 Phase: 45251 993-0301 year 43232 DISTRICT 11 511:5: Emil 51, Athene, NMS 88210 Thome: (575) 748-1283 Jan: (575) 748-9720 From: (S75) (44-1203 act(S75) 740-9220 DISTRICT 111 1000 Roc Brazon Rd., Arter, SNS 87410 Thom: 1505(334-6170 Fact(S05) 534-6370 DISTRICT IV 1220 S. St. Francis Dr., Sana Fr., 201 11505 Phone: 15051476 5460 East, 15051476 5462

State of New Mexico Energy, Minerals & Natural Resources Department OIL CONSERVATION DIVISION 1220 South St. Francis Dr. Santa Fe, New Mexico 87505

Form C-102

Revised August 1, 2011

Submit one copy to appropriate District Office

□ AMENDED REPORT

| | · | WEL | L LOCA | TIONA | ND AC | REA | GE DEDICA'I | TON PLAT | | | | | | | |
|------------------|------------|----------|------------------|--------------------|------------|--|------------------|---------------|----------------|--|--|--|--|--|--|
| A | API Number | • | | Pool Code 98145 | | Pool Name WC-015-G-06 52529513 UPPER WOLFCAMP | | | | | | | | | |
| Property C | ode | | N | IORTH B | • | operty Name | | | | | | | | | |
| OGRIÐ N 24628 | | | R | PRODUCTION | ` | Flevat 301 | • | | | | | | | | |
| - | | | | | Surface | Locati | on | | | ······································ | | | | | |
| UL of lot no. | Section | Township | Range | Lot Idn | Feet from | n the | North/South line | Feet from the | East/West line | County | | | | | |
| В | 35 | 25 S | 29 E | | 17 | 5 | NORTH | 2290 | EAST | EDDY | | | | | |
| | | | Botte | om Hole I | Location 1 | f Diffe | rent From Surfac | e | | • | | | | | |
| UL or lot no. | Section | Township | Range | Lot Idn | Feet from | n the | North/South line | Feet from the | East/West line | County | | | | | |
| Ο, | 35 | 25 S | 29 E | | 230 | כ | SOUTH | 2210 | EAST | EDDY | | | | | |
| Dedicated Acres | Joint or | liñal i | Consolidated Cod | le Order | r No | | | | · · · · | | | | | | |
| 160 | | | | - | | | | | | | | | | | |

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.

| MMODE (PAD 25) (MY) = 3973.5 NOPTH BELLEY DOWN 1/15' (MY) = 3973.5 2290' Image (PAD 25) (MY) = 3973.5 E(X) = 55531.5' (L) = 20735.6' N LONG = 107571.5 W MED E (PAD 25) (MY) = 3978.5' (L) = 20735.6' N LONG = 107571.5 W MED E (PAD 25) (MY) = 3978.5' (L) = 20757.6' W MED E (PAD 25) (MY) = 3978.5' (L) = 20757.6' W MED E (PAD 25) (MY) = 3978.5' (L) = 20757.6' W MED E (PAD 25) (MY) = 3978.5' (L) = 20757.6' W MED E (PAD 25) (MY) = 3978.5' (L) = 20757.6' W MED E (PAD 25) (MY) = 3978.5' (L) = 20757.6' W MED E (PAD 25) (MY) = 3078.5' (L) = 20757.6' W MED E (PAD 25) (MY) = 3078.5' (L) = 20757.5' W MED E (PAD 25) (MY) = 3078.5' (L) = 20757.5' W MED E (PAD 25) (MY) = 3078.5' (L) = 20757.5' W MED E (PAD 25) (MY) = 3078.5' (L) = 20757.5' W MED E (PAD 25) (MY) = 3078.5' (L) = 20757.5' W MED E (PAD 25) (MY) = 3078.5' C MED E (PAD 27) (L) = 30557.5' W MED E (PAD 27) (L) = 20757.5' Z (Y) = 107.5' Z | | | ······································ | OPERATOR CERTIFICATION |
|--|---------------------------------------|---|--|---|
| N(Y) = 307013 a PERSENTS is local of the set of may be | NW COR SEC 35 | 175' | | |
| E(D) = 6036310 LONG = 103'5745 00"W Image: gab 36 Min = 207665 Min = 20765 Min = | | NORTH BRUSHY DRAW O | 2290'————— | herein is true and complete to the best of my |
| LONG # 103/57/49 00 W Month and the conting interest on unleaded monopolic field of the set of the deside of the conting interest on unleaded monopolic field interest on unleaded and unleaded field interest on unleaded and unleaded field interest on unleaded and unleaded field interest on unle | | | NE COR SEC 35 | |
| CONG = 103 9749 00 ° W E Exist costs r LUX = 2703 88 r LUX = 122 973 78 r LUX = 122 973 | | | | either owns a working interest or unleased |
| LUT: 2003 00 W E (0) = 05140.7 LUT: 2003 00 W HIST TAKE 307 PM LUT: 2003 00 W WHORE PUND 27) 207 PM 1000 - 10375130 W HIST TAKE 207 PM LUT: 2003 00 W 101 - 2003 00 W HIST TAKE 207 PM LUT: 2003 00 W 101 - 2003 00 W HIST TAKE 207 PM LUT: 2003 00 W 101 - 2003 00 W HIST TAKE 207 PM LUT: 2003 00 W 1000 - 1037512 W HIST EACH | | | | |
| LONG = 103:571.05 W PIRST TAKE LAT = 32:05:581*N NRSP E (AUG 2) 307 FML LONG = 103:5647.27 W NRSP E (AUG 2) NRSP E (AUG 2) NRSP E (AUG 2) NRSP E (AUG 2) LAT = 32:05:58.17 W NRSP E (AUG 2) LONG = 103:57:10 W F(1) = 50:662.17 W NRSP E (AUG 2) NRSP E (AUG 2) LAT = 32:07:58.17 W NRSP E (AUG 2) LAT = 32:07:58.17 W LONG = 103:57:17 W LONG = 103:57:17 W NRSP E (AUG 2) NRSP E (AUG 2) | CONS 103 57 49 00 W | | | |
| MAGE E (MD 27) IN (7) = 3077EL LONG = 103/5647.27 W uorkting infarst. or to voluntary pooling growthind or a computatory pooling offer infarst. or to voluntary pooling growthing order and infarst. Miss E (MD 27) Wr (7) = 37524.27 W Miss E (MD 27) Wr (7) = 37524.27 W Miss E (MD 27) Wr (7) = 37524.27 W Miss E (MD 27) Wr (7) = 37524.27 W Miss E (MD 27) Wr (7) = 37524.27 W Miss E (MD 27) Wr (7) = 37524.27 W Miss E (MD 27) Wr (7) = 37524.27 W Miss E (MD 27) Wr (7) = 37524.27 W Miss E (MD 27) Wr (7) = 3754.27 W Miss E (MD 27) Wr (7) = 3754.27 W Miss E (MD 27) Wr (7) = 3754.27 W Miss E (MD 27) Wr (7) = 3754.27 W Miss E (MD 27) Wr (7) = 3754.27 W Miss E (MD 27) Wr (7) = 3754.27 W Miss E (MD 27) Wr (7) = 3754.27 W Miss E (MD 27) Wr (7) = 3754.27 W Miss E (MD 27) Wr (7) = 3754.27 W Miss E (MD 27) Wr (7) = 3754.27 W Miss E (MD 27) Wr (7) = 3754.27 W Miss E (MD 27) Wr (7) = 3754.27 W Miss E (MD 27) Wr (7) = 3754.27 W Miss E (MD 27) Wr (7) = 3754.27 W Miss E (MD 27) Wr (7) = 3754.27 W Miss E (MD 27) Wr (7) = 3754.27 W Miss E (MD 27) Wr (7) = 3754.27 W | | LONG.* 103"57"13.90" W FIRST TAKE | | arul this well at this location pursuant to a |
| Amore 1977/64/ E (2) =156657 Call Diffe Amore 100 - 100 | 1 | | LONG = 103*56'47.27" W | working interest, or to voluntary pooling |
| Image: Find Date Mase Find Date Image: Find Date Find Find Date | | | | |
| LAT - 32 000507474 N (07) - 50752.1 LONG = 103 553767W F(0) - 66952.1 LAT - 32 00053367W F(0) - 66952.1 LAT - 32 00053367W F(0) - 66952.1 LONG = 103 553767W F(0) - 65952.1 MREE E [MaD 27) NREE E [MaD 27] MREE E [MaD 27] NREE E [MaD 27] LONG = 103 553177W LONG = 103 553177W LONG = 103 55017291 W N (7) = 30263.4 E (X) = 65647.1 LONG = 103 5501291 W N (7) = 30263.4 E (X) = 65164.4 E (X) = 651647.1 LONG = 103 5501291 W N (7) = 302643.4 E (X) = 65164.4 M (X) = 20077787W LONG = 103 5501271 W LONG = 103 5501271 W LONG = 103 5501271 W <td>1</td> <td>history and her second s</td> <td></td> <td>heretofore entered by the division</td> | 1 | history and her second s | | heretofore entered by the division |
| Long = 103 853789 W F (b) = 66827 f Long = 103 853789 W Long = 103 85378 W Long = 103 85378 W Long = 103 85378 W New F (No. = 103 75772 Br W New F (No. = 103 75772 Br W New F (No. = 103 75772 Br W New F (No. = 103 75772 Br W New F (No. = 103 75772 Br W New F (No. = 103 75772 Br W New F (No. = 103 75772 Br W New F (No. = 103 75772 Br W New F (No. = 103 75772 Br W New F (No. = 103 75772 Br W New F (No. = 103 75772 Br W New F (No. = 103 75772 Br W New F (No. = 103 75772 Br W New F (No. = 103 75772 Br W New F (No. = 103 75772 Br W New F (No. = 103 75772 Br W New F (No. = 103 75772 Br W New F (No. = 103 75772 Br W New F (No. = 103 75772 Br W New F (No. = 103 75772 Br W New F (No. = 103 75772 Br W New F (No. = 103 75772 Br W New F (No. = 103 75772 Br W New F (No. = 103 75772 Br W N (Y) = 32080 Ar (Long = 103 7577 Br W Long = 103 7577 Br W N (Y) = 32080 Ar (Long = 103 7577 Br W Long = 103 7577 Br W N (Y) = 32080 Ar (Long = 103 7577 Br W Long = 103 7577 Br W N (Y) = 32080 Ar (Long = 103 7577 Br W Long = 103 7577 Br W | | | · · | |
| LAT: 327/33/24 M LONG - 10337128 W NRSPE EMBO 27) NRSPE EMBO 27) M (CON - 10337128 W NRSPE EMBO 27) M (CON - 10337178 P) LONG - 10337128 W M (CON - 10337178 P) LONG - 103350128 W M (CON - 10337178 P) LONG - 103350128 W M (CON - 10337178 P) LONG - 103350128 W M (CON - 10337178 P) LONG - 103350128 W M (CON - 10337178 P) LONG - 103350128 W M (CON - 103350128 W) LONG - 103350128 W M (CON - 103350128 W) LONG - 103350128 W M (CON - 103350128 W) LONG - 10335 |] | | 1 | |
| Image: End 271 Image: End 271 Image: End 271 <td< td=""><td>[</td><td></td><td>······</td><td></td></td<> | [| | ······ | |
| Mmon Mmon Mmon Mmon LAT - 32.0025317H LAT - 32.0025317H LAT - 32.0025317H LAT - 32.0025317H Image: Constraint of the constraint of the co | i i i i i i i i i i i i i i i i i i i | | , , , , , , , , , , , , , , , , , , , | |
| Mmon Mmon Second Mmon Victor 20002317M Concernance Print Name Victor 20002317M Concernance Print Name Victor 20002317M Print Name Victor 20002317M Print Name Victor 20002317M Print Name Victor 20002317M Print Name Victor 20072317M Print Name Victor 2000237 Print Name Victor 20072317M Print Name Victor 20072317M Print Name Victor 20072317M Print Name Victor 20072317M Print Name | 1 | | | |
| E (x) = 617746* LAT - 32.076371W LONG = 103 95311/1 W Print Name I:-mail Address SW COR SEC 35 NORTH BRUSH V DRWH V COR SEC 35 NORTH BRUSH V DRWH NGP-E (NAD 83) N (Y) - 392683.4 E (X) - 565863.7 L (MS - 103 551121 W) NMSP-E (NAD 83) N (Y) - 392683.4 E (X) - 565863.7 L (MS - 103 551121 W) NMSP-E (NAD 83) N (Y) - 392683.4 E (X) - 565863.7 L (MS - 103 551121 W) NMSP-E (NAD 83) N (Y) - 392683.4 E (X) - 565863.7 L (MS - 103 551121 W) NMSP-E (NAD 83) N (Y) - 392683.4 E (X) - 565863.7 L (MS - 103 551128 W) L (MS - 10 | 1 | | 1 | Signature Date |
| Lutr = 220025171/k Print Name Lutr = 220025171/1/W Print Name Print Name E-mail Address SW COR SEC 35 LAST TAKE NORTH BRUSH VORW NOR5-E (MD 23) N(7) = 32683.4 E (X) = 65862.7 LONG = 103/5571291*W SW COR SEC 35 UNOR = 100.5571291*W NORTH BRUSH VORW NMSP-E (MD 23) N(7) = 32280.4 E (X) = 65862.7 LONG = 103/5571291*W SW COR SEC 35 UNOR = 100.5571291*W NMSP-E (MD 23) N (7) = 32280.4 E (X) = 65847.1* LONG = 103/5571291*W SE COR SEC 35 LONG = 103/5571291*W NMSP-E (MD 23) N (7) = 32280.4 E (X) = 65847.1* LONG = 103/5571291*W NMSP-E (MD 23) LONG = 103/5571291*W NMSP-E (MD 23) N (7) = 32280.4 E (X) = 65847.1* LONG = 103/5571291*W SE COR SEC 35 LONG = 103/5571291*W NMSP-E (MD 23) N (7) = 32280.4 LONG = 103/5571291*W NMSP-E (MD 23) LONG = 103/5571291*W NMSP-E (MD 23) N (7) = 32280.4 LONG = 103/5571291*W NMSP-E (MD 23) LONG = 103/5571291*W NMSP-E (MD 27) N (7) = 32280.4 LONG = 103/5571291*W NMSP-E (MD 27) LONG = 103/55(47.2* W LONG = 103/55(47.2* W LONG = 103/55(47.2* W LONG = 103/55(47.2* W LONG = 103/55(47.2* W LONG = 103/55(47.2* W LONG = 103/55(47.2* W LONG = 103/56(47.4* C) LONG = 103/56(47.2* W< | | | | · · |
| LONG.= 103 9531171 W Print Name LONG.= 103 9531171 W Print Name E-mail Address E-mail Address Burger State SURVEYORS CERTIFICATION I hareby certify that the well location shown on this plat vois plotted from field noise of achout surveys made by me or under my supervision, and that the same is true and correct to the best of my belief. SW COR SEC 35 IN (7) = 302063.1 N (7) = 302063.2 E (2) = 65092.2 ILT = 327044.35" N SE COR SEC 35 LAT = 327044.35" N SW COR SEC 35 IN (7) = 302063.4 N (7) = 302063.4 ILT = 327044.35" N MMSPE (MAD 83) LAT = 327044.35" N SW COR SEC 35 IN (7) = 302063.4 ILT = 327044.35" N SE COR SEC 35 LAT = 327044.35" N SW COR SEC 35 IN (7) = 302663.4 ILT = 327044.35" N SE COR SEC 35 LAT = 327044.35" N NGPE (MAD 83) IN (7) = 302663.4 ILT = 327044.35" N SE COR SEC 35 LAT = 327044.35" N NGPE (MAD 83) IN (7) = 302663.4 ILT = 327044.35" N SE COR SEC 35 LAT = 327044.35" N NGPE (MAD 83) IN (7) = 302663.4 ILT = 327044.35" N SE COR SEC 35 LAT = 327044.35" N NGPE (MAD 83) IN (7) = 302663.4 ILT = 327044.35" N SE COR SEC 35 LAT = 327044.35" N NGPE (MAD 83) IN (7) = 302663.4 ILT = 327044.35" N SE COR SEC 35 LAT = 327044.35" N NGPE (MAD 83) IN (7) = 302663.4 ILT = 327044.35" N SE COR SEC 35 LAT = 327044.35" N NGPE (MAD 83) IN (7) = 302663.4 ILT = 327044.35" N </td <td>1</td> <td></td> <td>-</td> <td></td> | 1 | | - | |
| SW COR SEC 35 NORTH BRUSH ORAW NORTH BRUSH ORAW MASP-E (MD 23) N (7) = 302653.4 E (2) = 65052.8 LAT = 32'04'4.33''N (N) = 332653.4 E (2) = 651767.7 N (7) = 332654.4 E (2) = 61767.7 N (2) = 327044.42 N N (2) = 0100 N (2) N | · · · | | | Print Name |
| LAST TAKE 330 FSL 310 FEL NMSP-E (NAD 83) N (Y) = 33000.3* E (AT - 320443.5* N LONG = 103/57129 W NORTH BRUSHY DRAW YEDFRAL 35 GH BHL NMSP-E (NAD 83) N (Y) = 332683.4* E (AT - 320/07/521 N) E (AT - 320/07/521 N) SW COR SEC 35 NMSP-E (NAD 83) N (Y) = 332683.4* E (AT - 320/07/521 N) LONG = 103/57129 V SW COR SEC 35 LAT - 320/07/521 N SW COR SEC 35 LAT - 320/07/521 N MMSP-E (NAD 83) N (Y) = 332683.4* E (A) = 60/571/21 V E (A) = 60/571/21 V LONG = 103/571/21 V LAT - 320/07/52 N LONG = 103/571/21 V LONG = 103/5 | \ | | | |
| LAST TAKE 330 FSL 310 FEL NMSP-E (NAD 83) N (Y) = 33000.3* E (AT - 320443.5* N LONG = 103/57129 W NORTH BRUSHY DRAW YEDFRAL 35 GH BHL NMSP-E (NAD 83) N (Y) = 332683.4* E (AT - 320/07/521 N) E (AT - 320/07/521 N) SW COR SEC 35 NMSP-E (NAD 83) N (Y) = 332683.4* E (AT - 320/07/521 N) LONG = 103/57129 V SW COR SEC 35 LAT - 320/07/521 N SW COR SEC 35 LAT - 320/07/521 N MMSP-E (NAD 83) N (Y) = 332683.4* E (A) = 60/571/21 V E (A) = 60/571/21 V LONG = 103/571/21 V LAT - 320/07/52 N LONG = 103/571/21 V LONG = 103/5 | 1 | | | |
| LAST TAKE 330 FSL 310 FEL NMSP-E (NAD 83) N (Y) = 33000.3* E (AT - 320443.5* N LONG = 103/57129 W NORTH BRUSHY DRAW YEDFRAL 35 GH BHL NMSP-E (NAD 83) N (Y) = 332683.4* E (AT - 320/07/521 N) E (AT - 320/07/521 N) SW COR SEC 35 NMSP-E (NAD 83) N (Y) = 332683.4* E (AT - 320/07/521 N) LONG = 103/57129 V SW COR SEC 35 LAT - 320/07/521 N SW COR SEC 35 LAT - 320/07/521 N MMSP-E (NAD 83) N (Y) = 332683.4* E (A) = 60/571/21 V E (A) = 60/571/21 V LONG = 103/571/21 V LAT - 320/07/52 N LONG = 103/571/21 V LONG = 103/5 | | | | |
| SW COR SEC 35 LAST TAKE SW COR SEC 35 LONG = 103*57*12.91*W LONG = 103*57*12.91*W LONG = 103*5547.21*W SW COR SEC 35 MMSP-E (NAD 83) N (Y) = 392885.4 LONG = 103*57*12.91*W LONG = 103*5547.21*W SW COR SEC 35 MMSP-E (NAD 83) N (Y) = 392885.4 LONG = 103*57*12.91*W LONG = 103*5647.21*W LONG = 103*57*12.91*W LONG = 103*5647.21*W LONG = 103*57*12.91*W LONG = 103*5647.21*W LONG = 103*57*10 LONG = 103*5647.21*W LONG = 103*5647.21*W LONG = 103*57*10 LONG = 103*5647.21*W LONG = 103*5647.21*W LONG = 103*57*10 LONG = 103*5647.21*W LONG = 103*5647.21*W LONG = 103*57*10 LONG = 103*5647.21*W LONG = 103*5647.21*W LONG = 103*57*10 LONG = 103*5647.21*W LONG = 103*5647.21*W LONG = 103*57*10 LONG = 103*5647.21*W LONG = 103*5647.21*W LONG = 103*57*10 LONG = 103*5647.21*W LONG = 103*5647.21*W LONG = 103*57*10 LONG = 103*5647.21*W LONG = 103*5647.21*W LONG = 103*57* | | | | E-mail Address |
| SW COR SEC 35 LAST TAKE SW COR SEC 35 LONG = 103*57*12.91*W LONG = 103*57*12.91*W LONG = 103*5547.21*W SW COR SEC 35 MMSP-E (NAD 83) N (Y) = 392885.4 LONG = 103*57*12.91*W LONG = 103*5547.21*W SW COR SEC 35 MMSP-E (NAD 83) N (Y) = 392885.4 LONG = 103*57*12.91*W LONG = 103*5647.21*W LONG = 103*57*12.91*W LONG = 103*5647.21*W LONG = 103*57*12.91*W LONG = 103*5647.21*W LONG = 103*57*10 LONG = 103*5647.21*W LONG = 103*5647.21*W LONG = 103*57*10 LONG = 103*5647.21*W LONG = 103*5647.21*W LONG = 103*57*10 LONG = 103*5647.21*W LONG = 103*5647.21*W LONG = 103*57*10 LONG = 103*5647.21*W LONG = 103*5647.21*W LONG = 103*57*10 LONG = 103*5647.21*W LONG = 103*5647.21*W LONG = 103*57*10 LONG = 103*5647.21*W LONG = 103*5647.21*W LONG = 103*57*10 LONG = 103*5647.21*W LONG = 103*5647.21*W LONG = 103*57*10 LONG = 103*5647.21*W LONG = 103*5647.21*W LONG = 103*57* | | | ļ į | |
| SW COR SEC 35 Image: Imag | | | | |
| Image: Structure Image: Structure< | | | | SURVEYORS CERTIFICATION |
| Image: Structure and Seal of Protestate SW COR SEC 35 SW COR SEC 35 Image: Structure and Seal of Protestate Image: Structure and Seal of Protestate Image: Structure and Seal of Protestate SW COR SEC 35 Image: Structure and Seal of Protestate | | | | I hereby certify that the well location shown on this |
| SW COR SEC 35 NMSP-E (MAD 83) N (Y) = 392003.2' E (X) = 65893.4' E (X) = 65893.4' E (X) = 658947.1' LONG = 103*5712.91'W NMSP-E (MAD 83) N (Y) = 392003.2' E (X) = 65894.5' LAT.= 32*0444.28'N LONG.= 103*5712.91'W NMSP-E (MAD 83) N (Y) = 392045.4' E (X) = 661164.4' LAT.= 32*0444.28'N LONG.= 103*5712.91'W SE COR SEC 35 LAT.= 32*0444.28'N LONG.= 103*5712.91'W SE COR SEC 35 LAT.= 32*0444.28'N LONG.= 103*5712.91'W | | | | plat was plotted from field notes of actual surveys |
| LAST TAKE 307 FSL 307 FSL 201 FEL NMSP-E (NAD 83) N (7) = 39200.3' E (AT) = 505062.8' LAT = 3270447.5ST N NORTH BRUSHY DRAW FEDERAL 35 6H BHL NMSP-E (NAD 27) N (7) = 39203.3' E (X) = 65663.3' LAT = 3270442.5TN NMSP-E (NAD 83) N (7) = 392045.4' LAT = 3270442.5'TN NMSP-E (NAD 83) N (7) = 392045.4' E (X) = 65663.3' LAT = 3270442.5'TN NMSP-E (NAD 83) N (7) = 392045.4' E (X) = 65663.3' LAT = 3270442.5'TN NMSP-E (NAD 83) N (7) = 392645.4' E (X) = 656647.1' LAT = 3270442.8'TN NMSP-E (NAD 83) N (7) = 392645.4' E (X) = 665647.1' LAT = 3270442.8'TN LAT = 3270442.3'TN NMSP-E (NAD 83) N (7) = 392645.4' E (X) = 665647.1' LAT = 3270442.8'TN LAT = 3270442.30'TN LONG = 103:95712.91'W 230' | , | | | made by me or under my supervision, and that the |
| 330 FSL 330 FSL 2210 FEL NMSP-E (NAD 83) N (Y) = 393003.3' E (X) = 65982.8' LAT = 3270147.5' SW COR SEC 35 NMSP-E (NAD 83) N (Y) = 392803.3' E (X) = 65983.3' LAT = 3270147.5' SW COR SEC 35 NMSP-E (NAD 83) N(Y) = 392680.4 E (X) = 665984.1' LAT = 3270444.30'N LAT = 3270444.30'N LAT = 3270444.30'N LAT = 3270444.30'N | | | | same is in de dias correct to the dest of mig beney. |
| SW COR SEC 35 NMSP-E (NAD 83) K (Y) = 392003.3' E (X) = 655962.8' LAT = 32'04'4.30' N LONG = 103'57'12.91' W NMSP-E (NAD 83) K (Y) = 392863.4' E (X) = 655963.4' E (X) = 6559647.21'W Date of Survey Signature and Seal of Protocold Survey Survey Survey Signature and Seal of Protocold Survey | | | | July 21, 2015 |
| NMSP-E (NAD 83) N (Y) = 398003.3' E (X) = 65982.2' LAT = 32'04'45.3'' N LONG = 103'57'12.91' W NMSP-E (NAD 83) N (Y) = 392803.3' E (X) = 65983.3' LAT = 32'04'45.3'' N LONG = 103'57'12.91' W NMSP-E (NAD 83) N (Y) = 392803.3' E (X) = 665863.3' LONG = 103'57'12.91' W NMSP-E (NAD 83) N (Y) = 392803.3' E (X) = 665164.4' LAT = 32'04'44.30' N LONG = 103'56'47.21' W NMSP-E (NAD 83) N (Y) = 392680.8 E (X) = 665164.4' LAT = 32'04'44.30' N LONG = 103'56'47.21' W NMSP-E (NAD 83) N (Y) = 32'645.3' LONG = 103'56'47.21' W NMSP-E (NAD 83) N (Y) = 32'645.4' E (X) = 665164.4' LAT = 32'04'44.20' N LONG = 103'56'47.21' W SE COR SEC 35 SW COR SEC 35 LONG = 103'56'47.21' W SE COR SEC 35 LONG = 103'56'47.21' W SW COR SEC 35 N (Y) = 32'645.4' E (X) = 665164.4' LAT = 32'04'44.30' N LONG = 103'56'47.21' W SE COR SEC 35 LONG = 103'56'47.21' W SE COR SEC 35 LONG = 103'56'47.21' W LAT = 32'04'44.30' N LONG = 103'57'48.02' W LONG = 103'56'47.21' W Job Not. WTC 50793 JAMES E. TOMPKINS 14729 | | | | |
| N (Y) = \$\$\$003.3' E (X) = \$\$50\$2.2' LAT. = 32'04'4.3.5' N Number E (NAD 27) LONG. = 103'57'12.91' W Number E (NAD 27) NMSP-E (NAD 83) N (Y) = \$\$2803.3' E (X) = \$\$5083.2' LAT. = 32'04'4.30' N Number E (NAD 27) LAT. = 32'04'4.30' N Number E (NAD 27) LAT. = 32'04'4.30' N Number E (NAD 27) LAT. = 32'04'44.30' N Job Not. Job Not. Job Not. Job Not. Job Not. JAMES E. TOMPKINS 14729 JAMES E. TOMPKINS 14729 JAMES E. TOMPKINS 14729 | | | | Date of Survey |
| NORTH BRUSHY DRAW NORTH BRUSHY DRAW NMSP-E (NAD 27) NMSP-E (NAD 27) NMSP-E (NAD 83) NMSP-E (NAD 83) NMSP-E (NAD 83) NMSP-E (NAD 83) SW COR SEC 35 LCH = 32 047/52 '' N SE COR SEC 35 LAT = 32 047/52 '' N NMSP-E (NAD 83) NMSP-E (NAD 83) NMSP-E (NAD 83) NMSP-E (NAD 83) NMSP-E (NAD 83) LAT = 32 047/62 '' N LAT = 32 07/64/5 '' N LAT = 32 07/64/5 '' N N(Y) = 392680.4 E (X) = 661164.4' LAT = 32 07/64/5 '' N LONG = 103'56'47.21'' W LAT = 32 04/44.30' N LONG = 103'56'47.21'' W LAT = 32 07/64/5 '' N LONG = 103'56'47.21'' W LAT = 32 04/44.30' N LONG = 103 053 053'N 230' 230' JAMES E. TOMPKINS 14729 | | NMSP-E (NAD 83) | | |
| NORTH BRUSHY DRAW NORTH BRUSHY DRAW NMSP-E (NAD 27) NMSP-E (NAD 27) NMSP-E (NAD 83) NMSP-E (NAD 83) NMSP-E (NAD 83) NMSP-E (NAD 83) SW COR SEC 35 LCH = 32 047/52 '' N SE COR SEC 35 LAT = 32 047/52 '' N NMSP-E (NAD 83) NMSP-E (NAD 83) NMSP-E (NAD 83) NMSP-E (NAD 83) NMSP-E (NAD 83) LAT = 32 047/62 '' N LAT = 32 07/64/5 '' N LAT = 32 07/64/5 '' N N(Y) = 392680.4 E (X) = 661164.4' LAT = 32 07/64/5 '' N LONG = 103'56'47.21'' W LAT = 32 04/44.30' N LONG = 103'56'47.21'' W LAT = 32 07/64/5 '' N LONG = 103'56'47.21'' W LAT = 32 04/44.30' N LONG = 103 053 053'N 230' 230' JAMES E. TOMPKINS 14729 | | | | Signature and Scal of Propesional Surveyor. |
| NORTH BRUSHY DRAW NORTH BRUSHY DRAW NMSP-E (NAD 27) NMSP-E (NAD 27) NMSP-E (NAD 83) NMSP-E (NAD 83) NMSP-E (NAD 83) NMSP-E (NAD 83) SW COR SEC 35 LCH = 32 CM4/5.5" SE COR SEC 35 LCH = 32 CM4/5.5" SE COR SEC 35 NMSP-E (NAD 83) NMSP-E (NAD 83) NMSP-E (NAD 83) NMSP-E (NAD 83) LCH = 32 CM4/5.5" SE COR SEC 35 LCH = 32 CM4/4.42" M SE COR SEC 35 LONG = 103 '556'47.21" W LONG = 103 '56'47.21" W LAT = 32 CM4/4.30" M LONG = 103 '5 | · . | | l l | |
| NORTH BRUSHY DRAW FEDERAL 36 6H BHL MMSP-E (NAD 83) N (Y) = 392903.3' E (X) = 655903.3' LAT.= 32'0446.57' N LONG.= 103'57'128' W NMSP-E (NAD 27) NMSP-E (NAD 83) LAT.= 32'0446.57' N LONG.= 103'57'128' W NMSP-E (NAD 23) LAT.= 32'0446.57' N LONG.= 103'56'47.21' W NMSP-E (NAD 83) N(Y) = 392683.4 E (X) = 665164.4' LAT.= 32'0444.20' N LONG.= 103'56'47.21' W NMSP-E (NAD 83) LONG.= 103'56'47.21' W NMSP-E (NAD 83) LONG.= 103'56'47.21' W NMSP-E (NAD 83) N(Y) = 392683.4 E (X) = 655847.1' LAT.= 32'04'44.30' N LONG.= 103'56'47.21' W LONG.= 103'56'47.21' W LONG.= 103'56'47.21' W LONG.= 103'57'48.02' W LONG.= 103'56'47.21' W LONG.= 103'56'47.21' W LONG.= 103'56'47.21' W | | | | |
| NORTH BRUSHY DRAW FEDERAL 36 6H BHL MMSP-E (NAD 83) N (Y) = 392903.3' E (X) = 655903.3' LAT.= 32'0446.57' N LONG.= 103'57'128' W NMSP-E (NAD 27) NMSP-E (NAD 83) LAT.= 32'0446.57' N LONG.= 103'57'128' W NMSP-E (NAD 23) LAT.= 32'0446.57' N LONG.= 103'56'47.21' W NMSP-E (NAD 83) N(Y) = 392683.4 E (X) = 665164.4' LAT.= 32'0444.20' N LONG.= 103'56'47.21' W NMSP-E (NAD 83) LONG.= 103'56'47.21' W NMSP-E (NAD 83) LONG.= 103'56'47.21' W NMSP-E (NAD 83) N(Y) = 392683.4 E (X) = 655847.1' LAT.= 32'04'44.30' N LONG.= 103'56'47.21' W LONG.= 103'56'47.21' W LONG.= 103'56'47.21' W LONG.= 103'57'48.02' W LONG.= 103'56'47.21' W LONG.= 103'56'47.21' W LONG.= 103'56'47.21' W | • | LONG.= 103*57*12.91* | w | |
| NUT - 32244 Set Constant NUT - 32244 E (X) = 617767.5' SW COR SEC 35 N (Y) = 32203.3' Lat = 320446.57' N Long = 103.9531035'W NMSP-E (NAD 83) NMSP-E (NAD 83) Lat = 320446.57' N Long = 103.9531035'W Long = 103.9531035'W Long = 103.9531035'W N(Y) = 322683.4 E (X) = 661164.4' Lat = 320444.30'N Long = 103.9531035'W Long = 103.9531031'W 230' | | | | |
| In (1) Status In (1) In (1)< | | | | |
| In (1) Status In (1) In (1)< | | | | NËL / <i>16 </i> |
| SW COR SEC 35 LONG.= 103*57*12.91*W E (X) = 661164.4' LAT. = 32*04'44.28*N NMSP-E (NAD 83) NMSP-E (NAD 27) LAT. = 32*04'44.28*N LONG.= 103*56'47.21*W N (Y) = 392683.4 N (Y) = 382#45.4' LONG.= 103*56'47.21*W Job Not.: WTC 50793 LAT. = 32*04'44.30*N LAT. = 32*07#472*W 230' JAMES E. TOMPKINS 14729 | | | | |
| SW COR SEC 35 LONG.= 103*57*12.91*W E (X) = 661164.4' LAT. = 32*04'44.28*N NMSP-E (NAD 83) NMSP-E (NAD 27) LAT. = 32*04'44.28*N LONG.= 103*56'47.21*W N (Y) = 392683.4 N (Y) = 382#45.4' LONG.= 103*56'47.21*W Job Not.: WTC 50793 LAT. = 32*04'44.30*N LAT. = 32*07#472*W 230' JAMES E. TOMPKINS 14729 | | | | |
| SW COR SEC 35 NMSP-E (NAD 83) NMSP-E (NAD 27) N (Y) = 392663.4 LAT. = 32*0444.28* N LONG.= 103*56'47.21* W N (Y) = 392663.4 N(Y) = 392663.4 LAT. = 32*0444.28* N LONG.= 103*56'47.21* W Job Not. WTC 50793 LAT. = 32*0444.30* N LONG.= 103*57'48.02* W LONG.= 103*57'48.02* W Job Not. WTC 50793 | | | | |
| NMSP-E (NAL) 83) NMSP-E (NAL) 83) LONG.= 103*56'47.21* W N(Y) = 302863.4 N (Y) = 302863.4 LONG.= 103*56'47.21* W E (X) = 655847.1' E (X) = 655847.1' Job Not.: WTC50793 LAT.= 32*04'44.30* N LONG.= 103*56'47.21* W Job Not.: WTC50793 LAT.= 32*07'48.02* W LONG.= 103*551'43* W 230' | SW COR SEC 35 | LUND- 100 07 12,91 W | | TOFF THE ALL NEW |
| N (T) = 392003.4 E (X) = 655847.1' LAT. = 32'04'44.30' N LONG.= 103'57'49.02' W LONG.= 103:55749.02' W LONG.= 103:55749.02' W | | | | Vilmes A Thulland |
| LAT.= 32*04'44.30* N LONG.= 103*57'49.02* W LONG.= 103.9531031'W 230' | | | | |
| LONG.= 103:57/19.02 W LONG.= 103.5531031 W 230 JAMES E. TOMPKINS 14729 | | | 2210 | Job No.: WTC50793 |
| | LONG.= 103*57'49.02" W | | 1 | JAMES E. TOMPKINS 14729 |
| | · · · · · · · · · · · · · · · · · · · | | | Certificate Number |

.

>

| - | | | а, т., | i , i | | | | | | | | | | | | ; ; ; | | | | | ; ; ; | | | | | | : | | | |
|--|---------------------------------------|---------------------|------------|------------------|------------------------|---------------|-----------------|----------------------|---|---|---|---|---|---|-----------|-------------------|-------------|--|--------------------|-------------------------|---------------------------|--|------------------------|---|----------------------------------|----------------------------|---------------|---------------------------------------|----------|--|
| | | | · · · | | | | | • •; | ;;; | | . | : | 1 | 4 · 6. | , | <u>.</u> | | به مؤ بست | e., | | <u>;; ;</u> | • • • | | • • | | <u>،</u> | ? | | | |
| | · · | | · · | . : | 1. 2 - 4 - 4 | ~ | | · · · | : : : | | | | | ھ : : : : | - | : · · | · T | ه ه' ۱۰۰۰ | | |) - | - }- - }- | | | | | | | | |
| | | | _∦ | · · · | · · · · | | | | <u>, , , , , , , , , , , , , , , , , , , </u> | | 4 | <u>+</u> + | | | | | <u>}</u> | , : | | | · · · · · | 11 | | | | | | | | |
| | | | | !' | | - | | • | 1 | | | : | • | | - | - | | | ٢ | | • | | | · · · · | | | | · · · | | |
| | | | | | | | | | - | - | | 7.0 4 | 1 | | • | | · · · | . بر ا | | | <u>}</u> | : . | | | <u> </u> | Pri I | • • • • | | | |
| Projection System: US State Plane 1983 Projection Group: New Mexico Etstam Zone Proyoction Datum: GRS90 Magnetic Declination: 7.33 Gird Convergence: 0.20152 E | | | - <u>E</u> | | | | | | * <u> </u> | - | | · . | <u>i</u> ! | | | ; ; 1 , | - | | | · · · · | - | | | | + | ، ب | | | | ł |
| S State Pla v Mexico E S80 7.33 20152 E | | 4 | | | | | | ·~·· | | | : | | UDr Ca | | | | | - } | | | | | | | | | · · · · · · | , | - | |
| Projection System: US State P Projection Group: New Mexico Projection Datum: GRS80 Magnetic Declination: 7.33 Gird Convergence: 0.20152 E | | · · · · | | | | | | | 1 1 1 1 1 1 | | - | , | _ | \geq | ≫ | | - | | | | | | | | ! i. | | | | 1 | |
| ojection S ojection G ojection D agnetic De id Canver | | | | And Press | | | | | | | | True | 20" | | | | - | | | | | | | | ., | | | - - | | |
| ది ది ది వి త | | | | | | | | | | | 1 1 | • | | | | ا ^ر | + + + | | 1 | | 1 1 1 1 | | | ; ; ; ; ; ; | | | | | | |
| | | E | | | | | + | | i . | | | | | ا ۲ | | | 1 | | | | | <u>; ; ;</u> | | | | <u>-</u> \0 | | | 4 | |
| | | Plantment 1 | | | | | | · · · · | | | 4. 4. 4. | | مر میں بر بر ب | | | | | | | | | | | · · · · · · · · · · · · · · · · · · · | - | + - | | | | 82014 |
| | | -9 | | <u> </u> | | | 8 | | | | | | • 1 • • | <u></u> | | | | | | | | 1 | 800 | | | : i :/ | 24 | | | kfi ve te d |
| | | | | नि | - | - 1- 1 | | · • • • | | | | | | 1 | | | † | | | | | | · · · · | ة م. م. م. إس م. محمد م | | GH Ray and | | | | c Haw |
| | | - 6 | | | - , ., . | | | ş | 4 - 9 | !: | 1. j | | | | | 4 4. | : | | EW (Ft) | 0.0 | 0.0 | 0.0 | | 380.0 379.4 | 383.3 | 382.3 80.9 | , | | | Performance Drilling Technoloov Inc HawkEvet 62014 |
| | L - 4 - 4 | | | | | | DLS ('100F1) | | 0.0 | 0.0 | 10.0 | 10.0 | 0.0 | · 10.D | 0.0 | | + | | :: | 0.0 | 0.0 | 0.0 | | 25.6 162.6 | | | 4 | | | Techno |
| State/Country: NN/ Eddy Country: USA API Number: 3001542283 Elevation (T0 MSL): 3014.00 th RKB: 18.00 th RKB: 18.00 th Date: Thursdey, Jury 23, 2015 | | | | 4 · 4 - 4 · | | | VS (F8) | ļļ | 0.0 | 0.0 | 144.9 | 165.2 | 234.8 | 650.6 | 4903.9 | | 1 2 2 | | TVD (F0) | | | 5913.0 6833.0 | | | 000 | | 1 | | | Drilling |
| thy: NM2 E ISA ISA ISA ISA ISA ISA ISA ISA ISA ISA | | - | | | ذمر ا ا | | s e | | 0.0 | 0.0 | 144.3 | 164.6 | 233.9 - | -649.0 | 4902.8 | <u> </u> | 1 ** | - | Ibsea T (Ft) | -2508.0 | | | 5713.0 91 | | | 445.0 10 | | | Fast | ormance |
| State/Courty: U Country: U API Numbi Elevation (3KB: 18.0 Jate: Thur | | | | ···· | | - 1) 1 - 1 | 고면 | Ft GridY | °. | 0.0 | 28.8 -1 | 11 | 11 | 81.9 -6 | 102.1 -49 | ę | | | S. | | · - | 00 | e u y (y) | τουpr | | 397323.0 74 397652.1 73 | | 4 | West - | Perfc |
| | | • | | | | | A E | 97808.70 | 0 0-/ 100 FI | | | 10.00-71 | 9 | | | | | DATA | Northing (Fi) | | | | | | | Ì | - | | 3 | |
| , | | е (с. т. . с. с. | | + + | | CRITIC | <u>۶</u> ۳ | GridX, 3 | 0.0 MD ,10.00* | | 10212.4 Azm | 10234.1 79.00MD .1 | 168.7 10304.9 79.73° Azm | 10477.0 | F | 1 <u>1</u> | <u>,</u> | TARGET DATA | Easting (Ft) | 658851.2 658851.2 | 58851.2 58851.2 | 158851.2 158851.2 | 58851.2 58851.2 | 559231.2 559230.6 | 658963.3 658963.3 659234.5 | 659233.5 658932.1 | 4 | 1 ang An 14 An 14 An 1 | | |
| | | | | سې د اړ . | · · · · | | Şε | 851.20Ft | 0.0 | 1 100 FI | 168.7 1.168.70 | 168.7 168.7 | 168.7 | 179.7 179.7 | 178.7 | • • • • | | .] [| | RECTANGLE 6 | ANGLE 8 | RECTANGLE 658851.2 RECTANGLE 658851.2 SCOTANCLE 658851.2 | ANGLE | POINT 659231.2 POINT 659230.6 PSCTANCI E 659230.6 | | | | | | |
| | | Ķ | | | , q | | <u>9</u> € | oc. @ 658 | 0.0 Build @ | d 🙆 0.00 | 42.0 1 @ 45.0(| 45.0 d and Tu | 45.0 1 @ 90.27 | 90.3 0457.00 | 90.3 | | | | Shape | RECT | RECT | RECT | RECT | | POINT | POIN | , 2 m. | | | |
| | | | | | · • • • | | UN (JL) | 5 | 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0 0 0.0 0 0.0 | 9829.0 0.0 0.6 Begin Build @ 0.00*/ 100 F1 | 10249.0 42.0 168.7 102 Begin Hold @ 45.00*,168.70* Azm | 10279.0 45.0 168.7 10234.1 32.9 Begin Build and Tum @ 10379.00MD 10.00*/100 Ft | 10379.0 45.0 168.7 103 Begin Hold @ 90.27°.179.73° Azm | 10842.3 90.3 17 PBHL @ 10457.00 Ft TVD | 15096.2 | | | - | ۱. ۲۰۰۶ ۲۰۰۶ | - | - | Ê | | | _ | | | | | |
| | · · · · · · · · · · · · · · · · · · · | | | • • | | | | 1 1 | р (241) Мар | - 8 | (∓ di (! | − a | <u>ا</u> | | 1 I | | | | Name A | Rustler Base Castlie | Delaware Cherry Canyon | Kingrea Bone Spring Lime | BSpg 2 SS BSpg 2 SS | 150' FNL KOP KOP Wolframo Yon | 같 같 같 | 6H FT Revised FT | + | ـــــــــــــــــــــــــــــــــــــ | | |
| | | | 8 | | | . <u></u> | | مىيەلەر. مىسلەر ر | | - 194 - 194 | | ki | .: | 4 4 |) | | + + | | | Rustler Base C | Delaware Cherry Ca | Kingrea Bone Sp | | 120.F | | 6H FT Revise | | | | |
| 115-025 plonation 33-6H 29/E Dak 14 | 1 | ··· · · | | • • • • • • • | | | | · · · · · | A | | | | | | | | | | . | ., . . ,, ., . | ; • ≠ | | | | | | | | | |
| Job Number: ROS 15.025 Company: RNG Exponention Lessewhort: NBD 35-6H Location: 35-255-23E Location: 35-255-23E | | | | (•) | | <u> </u> | · · · · | | 1 | • • | ; ; | | | | | | | ، چەرد ^{ار} ەر نور بەر نور بەر | | | | <u>+</u> +- | · • • • • • | | | | | - | | |
| Job Nun Comper N LeaseM Rig Nam | | | | • } | | | | , <u> </u> | ⊧ | | | | | | | 4 | - | | | | | ÷ | | | | | | | | |
| | | | - 8 | - <u></u> | | - | | | 1 | ; | | | | | _ | <u> </u> | ; - : | | | | | | w | | + | | | | . | |
| | | | | | | | | | | ι | (µo | <u>N</u> - | цın | os | | | | | | | | _ | | | | | | | | ĻĢ |