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**REPORTS
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FAX COVER SHEET

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Date 9/24/2002

TO: Willy Olson. 476-3462.

FROM: mike Stubblefield

NUMBER OF PAGES 2 (INCLUDING COVER SHEET)

MESSAGE _____

Guidelines for Plugging Programs

The following is intended for use by Commission personnel only as a guide or check list in preparation of plugging programs. The guide is not all inclusive and care must be exercised in establishing special plugging programs in unique or unusual cases.

A. To be determined

1. Land type, State, private, or federal. The USGS normally formulates and/or approves plugging on federal or indian lands.
2. Depth and thickness of:
 - (a) pay zone (perforations or open-hole)
 - (b) porosity zones not covered by casing and cement, and
 - (c) artesian and fresh water zones (including zones of non-drinkable water having total dissolved solids concentrations of 10,000 mg/l or less).
3. Casing to be pulled and depth of casing shoes.
4. Formation tops.
5. Hole use and age (production, disposal, injection, drilling well, etc.).

B. Requirements for old holes

*Always place cement plug @ Top of cement on casing
D liner top on casing.*

1. Minimum plug size.
 - (a) Not less than 100 feet or 25 sacks, whichever is greater, or,
 - (b) a cast iron bridge plug with 35 feet of cement.
2. Plugs to be tagged.
 - (a) Bottom plugs
 - (b) Plugs at casing shoe or cut-off point.
 - (c) Other isolation plugs if the hole does not stand full.
3. Mud to be used
T. Salt
 - (a) Salt gel mud consisting of 10 pound brine with 25 pounds of gel per barrel.
 - (1) Load hole from total depth to first casing cut-off point.
 - (2) Fill hole to make certain it will hold fluid.
4. Plugs to be set
 - (a) A bottom plug across or above pay.
 - (b) Above and below casing cut points (even if casing is not recovered).
 - (c) To isolate other oil, gas, or water zones exposed in the hole.
 - (d) Across casing shoes.
 - (e) Minimum surface plug of 10 sacks.
 - (f) Above and below artesian water zones.
 - (g) Across fresh water zones (inside and outside the casing)

C. Requirements for new holes

1. Minimum plug size.
 - (a) Same as for old holes
2. Plugs to be tagged.
 - (a) In unusual cases such as for a well having a water flow, isolation plugs will be tagged.
3. Mud to be used.
 - (a) Drilling mud or salt gel mud as for old wells.
 - (1) Hole should remain full at least 30 minutes after the last plug is set and all tubing is pulled.
4. Plugs to be set
 - (a) Same as for old well except bottom plug may not be required.

max. 2000' between cement plugs in open hole.

max. 3000' between cement plugs in casing hole.

A REVIEW OF ALL WELLS LOCATED IN THE CITY OF CARLSBAD WELLHEAD PROTECTION AREA AND OF ALL WELLS LOCATED WITHIN ONE MILE OF THE CITY OF CARLSBAD WELLHEAD PROTECTION AREA WAS CONDUCTED BY ENVIRONMENTAL ENGINEER SPECIALIST MIKE STUBBLEFIELD.

THIS REVIEW INTELLED A STUDY OF ALL CASING SETTING DEPTHS FOR SURFACE, INTERMEDIATE, AND PRODUCTION STRINGS OF CASING RAN AND CEMENTED IN THE AREA OF REVIEW.

ALL CEMENTS USED TO CEMENT CASING IN THE REVIEW AREA WERE CHECKED FOR VOLUMES USED, QUALITY OF CEMENT USED, AND CEMENT TOPS AS PER LOGS AND SUBSEQUENT REPORTS.

THE WELL FILES FOR WELLS LOCATED IN THE REVIEW AREA WERE CHECKED FOR HISTORY AS TO REPORTED LOSS CIRCULATION ZONES, WATER FLOWS, OR OTHER PROBLEMS THAT MIGHT HAVE OCCURRED DURING DRILLING, PRODUCTION, AND PLUGGING OPERATIONS.

ALL PLUGGED WELLS IN THE AREA OF REVIEW WERE CHECKED FOR PROCEDURES USED IN THE PLUGGING OF THE WELLS, VOLUMES OF CEMENT PLUGS USED DURING PLUGGING OPERATIONS, SETTING DEPTHS OF ISOLATION PLUGS, CEMENT PLUGS VERIFIED BY TAGGING OF THE CEMENT PLUGS SET DURING THE PLUGGING OPERATIONS.

THE REVIEW FOUND CEMENT TO BE CIRCULATED TO SURFACE ON THE SURFACE AND INTERMEDIATE CASING STRINGS IN THE WELLHEAD PROTECTION AREA. LOST CIRCULATION DURING DRILLING OPERATIONS WAS COMMON IN THE AREA OF REVIEW WITH LOST CIRCULATION ZONES FROM 85" TO 2485'. LARGE PERCENT OF SURFACE AND INTERMEDIATE CASINGS WERE 1" TO SURFACE USING STAGE CEMENT METHODS.

CEMENTING OPERATIONS WERE WITNESSED BY O.C.D. AND BLM FIELD PERSONEL. PRODUCTION STRINGS OF CASING WERE WITHIN REGULATIONS AS PER CEMENT TOPS REQUIRED. ONE REPORT OF CEMENT OPERATIONS TO SHUTOFF A WATERFLOW BETWEEN 230' AND 402' WAS REPORTED ON THE CUEVA UNIT #1 LOCATED IN UT K-6-23s-26e.

DRILLING BEGIN IN THE AREA OF REVIEW AS EARLY AS 1940 WITH MOST OF THE OLDER WELLS BEING DRILLED BY CABLETOOL.

SULFUR WATERS WERE REPORTED AT A DEPTH OF 650' ON THE TURNER & DE VITO DIVITO WELL #1 WHICH WAS DRILLED IN 1940 AND LOCATED IN UT. 0-SEC. 12-23s-25e.

PLUGGED WELLS IN THE AREA OF REVIEW WERE PLUGGED USING CURRENT RULES AND GUIDE LINES FOR PLUG AND ABANDONMENT WITH THE EXCEPTION OF SOME OF THE OLDER WELLS IN THE AREA OF REVIEW WHICH WERE DRILLED BY CABLE TOOL AND PLUGGED NOT USING TODAYS RULES AND GUIDELINES FOR PLUGGING AND ABANDONMENT.

THE DEVITO WELL #1 LOCATED IN UT O-12-23s-25e WHICH WAS DRILLED

AND PLUGGED BY CALBETOOL METHOD IN 1940 APPEARS TO BE POORLY
PLUGGED .

5/8/2002 MIKE STUBBLEFIELD ENVIR. ENG. SPEC.

Review on ^{1,2,3} 11, 12, 13, 14 235 25E
6, 7, 18 T 235 26E

A REVIEW OF ALL THE WELLS LOCATED IN THE CITY OF CARLSBAD WELLHEAD PROTECTION AREA AND OF ALL THE WELLS LOCATED WITHIN ONE MILE OF THE CITY OF CARLSBAD WELLHEAD PROTECTION AREA WAS CONDUCTED BY ENVIRONMENTAL ENGINEER SPECIALIST MIKE STUBBLEFIELD.

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ALL CEMENTS USED TO CEMENT CASING IN THE REVIEW AREA WERE CHECKED FOR VOLUMES USED, QUALITY OF CEMENT USED, AND CEMENT TOPS AS PER LOGS AND SUBSEQUENT REPORTS.

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ALL PLUGGED WELLS IN THE AREA OF REVIEW WERE CHECKED FOR PROCEDURES USED IN THE PLUGGING OF THE WELLS, VOLUMES OF CEMENT PLUGS USED DURING PLUGGING OPERATIONS, SETTING DEPTHS OF ISOLATION PLUGS, AND CEMENT PLUGS VERIFIED BY TAGGING OF THE CEMENT PLUGS SET DURING THE PLUGGING OPERATIONS.

DRILLING BEGIN IN THE AREA OF REVIEW AS EARLY AS 1940 WITH OLDER WELLS BEING DRILLED BY CABLETOOL METHOD AND THE MODERN WELLS BEING DRILLED BY ROTARY METHOD.

THE REVIEW FOUND CEMENT TO BE CIRCULATED TO SURFACE ON THE SURFACE AND INTERMEDIATE CASING STRINGS IN THE WELLHEAD PROTECTION AREA.

LOST CIRCULATION DURING DRILLING OPERATIONS WAS COMMON IN THE AREA OF REVIEW WITH LOST CIRCULATION ZONES LOCATED FROM 85' TO 2485' BEING REPORTED.

A LARGE PERCENT OF THE SURFACE AND INTERMEDIATE CASINGS STRINGS WERE 1" TO SURFACE USING STAGE CEMENT METHODS.

MOST OF THE CEMENTING OPERATIONS WERE WITNESSED BY O.C.D. AND BLM FIELD PERSONEL AS REPORTED ON SUBSEQUENT CASING REPORTS AND WITNESS SHEETS IN WELL FILES.

THE PRODUCTION STRINGS OF CASING WERE WITH-IN REGULATIONS AS PER CEMENT TOPS REQUIRED BY RULE 107.E.

ONE REPORT OF CEMENT OPERATIONS TO SHUTOFF A WATERFLOW AND BOULDERS BETWEEN 230' AND 402' WAS REPORTED ON THE CORINNE GRACE CUEVA UNIT #1 WHICH IS LOCATED IN UT K-6-23s-26e.

THE WATER FLOW REPORT DID NOT GIVE THE QUALITY OF THE WATER IN THE WATERFLOW BEFORE THE WATER FLOW WAS SHUT OFF BY CEMENTING OPERATIONS.

MODERN PLUGGED WELLS IN THE AREA OF REVIEW WERE PLUGGED USING CURRENT RULES AND GUIDE LINES FOR PLUG AND ABANDONMENT WITH SOME HAVING WITNESS REPORTS IN WELL FILE . SOME OF THE OLDER WELLS IN THE AREA OF REVIEW WHICH WERE DRILLED BY CABLE TOOL METHOD DID NOT HAVE A REPORT ON ACTIONS TAKEN TO PLUG THE WELLS.

only
Devito 78

THE DEVITO WELL #1 LOCATED 330' FSL 1650' FEL-12-23s-25e WHICH IS THE CLOSEST WELL DUE NORTH AND WEST OF THE MONITOR WELL #3 WAS DRILLED BY CALBETOOL METHOD IN 1940.

THE WELL HISTORY FOUND ON THE DEVETO #1 WAS FOUND ON A SCOUTING REPORT.

THE OLDER WELLS IN DISTRICT 2 HAVE WELL HISTORY ON SCOUTING REPORTS WHICH WAS THE METHOD USED TO REPORT WELL DATA BEFORE THE IMPLEMENT OF TODAY'S SYSTEM OF REQUIRED REPORT FORMS.

THE SCOUTING REPORT DID SHOW 10" CASING SET AT 451' WITH 5 SX CEMENT USED AND 7" CASING SET AT 1533' MUDDIED IN HOLE WITH NO REPORT OF THE CASING HAVING BEEN PULLED OR LEFT IN THE WELLBORE.

THE SCOUTING REPORT FOR THE DEVETO #1 REPORTED THE WELL TO HAVE SULPHUR WATER IN THE HOLE AT A DEPTH OF 755'-60'.

THERE WAS NO INFORMATION FOUND ON PLUGGING ACTIONS TAKEN ON THE DEVITO #1 IN THE SCOUTING REPORT.

THE SCOUTING REPORT FOR THE DEVITO #1 REPORTED THE WELL TO BE DRY AND ABANDON AT A TD OF 1758'.

THE ONLY OTHER WELL FOUND IN SECTION 12-23-25 WAS THE LOUIS DREYFUS NATURAL GAS CORP. SQUAW FEDERAL #1 LOCATED 1980' FNL 1980' FSL SECTION 12-23s-25e.

THE SQUAW FEDERAL #1 WAS PERMITTED ON 10/17/1973.

THE WELL WAS SPUDDED AND DRILLED TO A TD OF 105' BY CABLETOOL METHOD AND WAS THEN REPLACED WITH A ROTARY DRILLING RIG.

THE ROTARY RIG DRILLED TO A TD OF 425' WITH NO LOSS CIRCULATION REPORTED ON USGS FORM 9-331.16" CASING AS CEMENTED AT 100' IN THE WELL WITH 75 SX CEMENT BEING REPORTED CIRCULATED TO THE PIT.

THE SQUAW FEDERAL #1 SET 9.625" CASING AT 2660' AND CEMENTED CASING WITH 1000 SX HALCO LITE CEMENT, AND 200 SX CL. C CEMENT. SUBSEQUENT REPORT ON CEMENT OPERATIONS REPORTED THE WELL DID NOT CIRCULATE ON THE INITIAL CEMENT OPERATION AND WAS 1" TO SURFACE FROM A DEPTH OF 744' USING 535 SX CEMENT IN 5 STAGES FROM 744' TO SURFACE.

THE SQUAW FEDERAL #1 TD'ED AT A DEPTH OF 11,460' AND 5.5" CASING WAS RAN AND CEMENTED IN THE WELL AT 11,460' USING 700SX CL. H. CEMENT.

A TEMPERATURE SURVEY SHOWED TOP OF THE CEMENT TO BE AT 8200' ON THE 5.5" CASING. THE WELL WAS COMPLETED AND PRODUCED AS A MORROW WELL FROM PERFORATIONS LOCATED AT 11,203-09'.

A CIBP WAS RAN AND SET AT 11,195' WITH 35' OF CEMENT ON TOP OF CIBP ON 5/22/1984.

NEW PERFORATIONS WERE ADDED AT A DEPTH OF 11,098' TO 11,121' AND THE WELL PRODUCED AS A MORROW COMPLETION.

A CIBP WAS RAN AND SET AT 11,080' WITH 35' OF CEMENT ON TOP OF CIBP ON 6/14/1984. THE WELL WAS PERFORATED AT 10,434' AND TESTED.

A CIBP WAS RAN AND SET AT 10,385' WITH 35' OF CEMENT ON TOP OF THE CIBP AND NEW PERFORATION ADDED AT A DEPTH OF 10,138'-10,160'. THE WELL WAS THEN PRODUCED FROM THE SHEEP DRAW STRAWN. A REPORT FILED 09/04/1992 FILED THE WELL IN SHUT-IN STATUS DUE TO HIGH H2S CONTENT.

06/25/2001 A CIBP WAS RAN AND SET AT 9630' WITH 4 SX CEMENT ON TOP OF THE CIBP. MUD GEL WAS CIRCULATED TO SURFACE. THE 5.5" CASING WAS CUT AND PULLED AT 8047'. A 35 SX CEMENT PLUG WAS SET AT 8100' TO 7950' AND TAGGED AT 7942'. A 35 SX CEMENT PLUGS WAS SET AT 6550'-6440'. A 40 SX CEMENT PLUG WAS SET AT 4810'-4670'. A 40 SX CEMENT PLUG WAS SET AT 2710'-2601'. THE CEMENT PLUG WAS TAGGED AT 2573'. A 40 SX CEMENT PLUG WAS SET AT 230'-121'. A 20 SX CEMENT PLUG WAS SET FROM 50' TO SURFACE.

WELL INFORMATION ON SECTIONS BORDERING SECTION 12-23s-25e.

SECTION 11-23s-25e

1924' FNL 651' FEL MINERAL TECHNOLOGIES INC. MARY FEDERAL #1

THE MARY FEDERAL #1 WAS PERMITTED ON 12/27/1972.

THE WELL WAS SPUDDED WITH ROTARY DRILLING RIG 1/20/1973'.

16" CASING WAS RAN AND CEMENTED AT 100' W/150 SX CL. C. CEMENT CIRCULATED TO SURFACE VOLUME NOT REPORTED.

9.625" CASING WAS RAN AND CEMENT AT 2430' W/850 SX HALCO LITE & 150 SX CL C. CEMENT. CEMENT DID NOT CIRCULATE. A TEMPERATURE SURVEY FOUND THE TOP OF CEMENT TO BE AT 600'. CEMENT WAS BROUGHT TO SURFACE FROM 625' TO 270' IN 8 STAGES USING A TOTAL OF 290 SX CEMENT. THE WELL WAS READY MIXED TO SURFACE FORM 270' USING 14 YDS READY MIX. THE WELL WAS TD'ED AT 11,570'. CEMENT PLUGS SPOTTED WERE A 35 SX CEMENT 11,050'-10,950'. A 50 SX CEMENT PLUG 9900'-9800', A 50 SX CEMENT PLUG 8600'-8500'. A 50 SX CEMENT PLUG 6500'-6400'. A 50 SX CEMENT PLUG 5000'-4900'. A 50 SX CEMENT PLUG 2480'-2380'. A 10 SX CEMENT SURFACE PLUG.

NO REPORT ON ANY CEMENT PLUGS BEING TAGGED DURING PLUGGING OPERATIONS.

8/24/1973 THE WELL WAS REENTERED AND DRILLED TO A TD OF 11,570'. 5.5" CASING WAS RAN AND CEMENTED AT 11,570' W/350 SX CL. H CEMENT. TEMPERATURE SURVEY FOUND TOP OF CEMENT TO BE AT 10,100'. THE 5.5" CASING WAS PERFORATED AT 9830'-33'. THE WELL WAS SQUEEZED W/ 725 SX CL. H CEMENT. THE 5.5" CASING WAS PERFORATED AT 11,363'-83'. THE WELL WAS PRODUCED FROM THE WILDCAT MORROW FORMATION. A CIBP WAS RAN AND SET AT 11,003' WITH 35' OF CEMENT ON TOP OF CIBP. THE 5.5" CASING WAS PERFORATED AT 10,500'. A CIBP WAS RAN AND SET AT 10,500'. THE 5.5" CASING WAS PERFORATED AT 10,268'-292' WITH THE WELL PRODUCING FROM THE SHEEP DRAW STRAWN FORMATION. NEW PERFORATIONS WERE ADDED 12/5/1994 9850'-10,050'.

Exxon
1925' FNL 810' FEL MINERAL TECHNOLOGIES INC. MARY FEDERAL #3

THE MARY FEDERAL #3 WAS PERMITTED ON 7/17/1984. THE WELL WAS SPUDDED AND DRILLED TO 1183'. THE WELL WAS PLUGGED DUE TO A FISH CONSISTING OF 468' OF DRILL PIPE WAS LEFT IN THE HOLE FROM 468'-1183'. THE WELL WAS PLUGGED WITH 40 SX CEMENT 1183'-1233'. A 40 SX CEMENT WAS SET FROM 50' TO SURFACE. THE RIG WAS SKIDDED 15' NW OF THE WELL TO MARY FED. #3Y.

Exxon
1906' FNL 807' FEL MINERAL TECHNOLOGIES INC. MARY FEDERAL #3Y

THE MARY FEDERAL #3Y WAS PERMITTED 9/21/1984. THE WELL WAS SPUDDED 8/29/1984 WITH ROTARY DRILLING RIG. 8.625" CASING WAS RAN AND CEMENTED AT 1329' W/800 SX PACESETTER LITE CEMENT. A TEMPERATURE SURVEY FOUND THE TOP OF CEMENT TO BE AT 615'. THE CEMENT WAS BROUGHT TO SURFACE FROM 615' IN 1 STAGE WITH TOTAL 303 SX CEMENT. 5.5" CASING WAS RAN AND SET AT 5167' W/ DV TOOL SET AT 2814'. THE 1st STAGE CEMENT W/1850 SX CL. C. & THE 2nd STAGE CEMENT W/450 SX. CEMENT DID NOT CIRCULATE. TEMPERATURE SURVEY FOUND THE TOP OF CEMENT AT 872'. THE 5.5" CASING WAS PERFORATED AT 4783'-92'. THE WELL PRODUCED FROM THE CHERRY CANYON FORMATION. THE WELL WAS PLUGGED ON 1/7/1985. A CIBP WAS RAN AND SET AT 4750' WITH 35' OF CEMENT ON TOP OF CIBP. A 15 SX CEMENT CEMENT PLUG WAS SET AT 2864'-2764'. A 15 SX CEMENT PLUG WAS SET AT 1379'-1279'. A 10 SX CEMENT PLUG WAS SET FROM 30' TO SURFACE. FROM SURFACE TO 90' BETWEEN 8.625" CASING & 5.5" CASING WAS TOPPED OFF W/10 SX CL. C.CEMENT.

Pitman Pet. OK
709' FSL 1929' FWL MINERAL TECHNOLOGIES, INC. MARY FEDERAL #5

THE MARY FEDERAL #5 WAS PERMITTED 8/20/1985. THE WELL WAS SPUDDED ON 9/21/1985 WITH A ROTARY DRILLING RIG.

20" CONDUCTER CASING WAS RAN AND CEMENTED AT 95' W/125 SX CEMENT. THE WELL LOST CIRCULATION AT 290'. THE OPERATOR NOTIFIED CLAUDE LABOR CITY MANAGER OF CARLSBAD & JIM WRIGHT STATE ENGINEER. THEY APPROVED GEAR GUM AS HOLE SWEEP. SET LOST CIRCULATION CEMENT PLUGS AT 250'-305' & 131'-250' W/200 SX CL. C. CEMENT. RESUME DRILLING. 13.375" CASING WAS RAN AND SET AT 1613' W/1600 SX HAL. LITE & 400 SX CL. C. CEMENT. CEMENT CIRCULATED TO SURFACE INITIAL CEMENT OPERATION.

9.625" CASING WAS RAN AND CEMENTED AT 2600' W/ 475 SX HOWCO LITE & 300 SX CL. C. CEMENT. THE CEMENT CIRCULATED TO SURFACE ON INITIAL CEMENT OPERATON..

7" CASING WAS RAN AND CEMENTED AT 10,395' WITH A DV TOOL SET AT 4792'. 1st STAGE WAS 745 SX CL. H. CEMENT & 2nd STAGE 975 SX TLW CEMENT. THE TOP OF CEMENT WAS FOUND BY TEMPERATURE SURVEY TO BE AT 2990'.

THE 7" CASING WAS PERFORATED AT 9742'-52' AND THE WELL PRODUCED FROM THE SHEEP DRAW - UNDESIG. SHEEP DRAW STRAW FORMATION. NEW PERFORATIONS WERE ADDED AT 10,120'-146'.

NEW PERFORATIONS WERE ADDED 9742'-52'. A COMMINGLE PERMIT GRANTED AND WELL PRODUCED FROM SHEEP DRAW -STRAWN GAS POOL AND UPPER PENN FORMATIONS.

SECTION 14-23s-25e NO WELLS

SECTION 13-23s-25e

2310' FNL 2240' FEL EXXON CORP. SQUAW FEDERAL #2

THE SQUAW FEDERAL #2 WAS PERMITTED ON 9/28/1983.

THE WELL WAS SPUDDED ON 12/22/1983.

8.625" CASING WAS RAN AND CEMENTED AT 1325' W/700 SX CL. B5, & 550 SX CL. C. CEMENT. THE CEMENT CIRCULATED TO SURFACE ON INITIAL STAGE OF CEMENT OPERATIONS.

5.5" CASING WAS RAN AND CEMENTED AT 5172' WITH A D.V. TOOL SET AT 3020'. THE 1st STAGE WAS CEMENTED W/550 SX CL. C. & 2nd STAGE W/ 900 SX CL. C. CEMENT. CEMENT DID NOT CIRCULATE ON INITIAL CEMENT OPERATON. A TEMPERATURE SURVEY FOUND THE TOP OF THE CEMENT TO BE AT 1050' ON THE 5.5" CASING .

THE 5.5" CASING WAS PERFORATED AT 4732'-74' AND THE WELL PRODUCED FROM THE WEST DARK CANYON DELAWARE FORMATION. THE WELL WAS T&A'eD ON 1/2/1985 WITH A CIBP SET AT 4650'.

THE WELL WAS PLUGGED ON 12/3/1991.

A CIBP WAS RAN AND SET AT 4620'. A 25 SX CEMENT PLUG WAS SET AT 4362'. A 25 SX CEMENT PLUG WAS SET AT 3080'-2827'. A 25 SX CEMENT PLUG WAS SET AT 1375'-1122'. A 10 SX CEMENT PLUG WAS SET AT 100' TO SURFACE. NO REPORT ON CEMENT PLUGS BEING TAGGED.

UT P-13-23s-25e EXXON CORPORATION NEW MEXICO DS STATE #1

EXPIRED DRILLING INTENT.

SECTION 18-23s-26e

660' FNL 1980' FWL E.P. MORAN RAMAZ #1

THE RAMAZ #1 WAS ON PERMITTED 5/31/1940.

7" CASING WAS RAN AND CEMENTED AT 1660'. AND ESTIMATED 14 SX OF CEMENT WAS USED AS PER RECORDS ON WELL.

THE WELL WAS TD AT 1808'.

THE WELL RECORDS REPORTED ON 8/4/1940 STRUCK WATER{SALT} AT 1808' WHICH CAME UP APPROXIMATELY 1500' IN THE HOLE.

THE WELL WAS PLUGGED ON 10/5,6/1940 SUBSEQUENT REPORT AS FOLLOWS.

CEMENTED BOTTOM WATER AT 1808' WITH 10 SACKS. LEFT 235' OF 7 INCH WHICH WAS CEMENTED TO SHUT OFF WATER ENCOUNTERED AT 1563'-66' WITH 10 SACKS OF CEMENT IN ORDER TO PROTECT ANY SURFACE WATERS. LEFT 100' OF 8.25" SURFACE PIPE. FILLED HOLE UP WITH MUD AND PLACED A CEMENT CAP WITH REGULATION 4" PIPE AS MARKER.

1980' FNL 1700' FEL OXY USA WIP LIMITED PARTNERSHIP
OXY HONEST JOHN STATE #1

THE OXY HONEST JOHN WAS PERMITTED ON 10/19/2001.

THE WELL WAS SPUDDED ON 3/13/2001.

THE WELL LOST CIRCULATION AT 156' AND WAS DRY DRILLED TO TD @ 719'.

13.375" CASING WAS RAN AND CEMENTED AT 718' W/200 SX CL. H., 366 SX 65/35 POZ.& 200 SX CL. C. CEMENT.

CEMENT DID NOT CIRCULATE ON INITIAL CEMENT OPERATION. A TEMPERATURE SURVEY FOUND THE TOP OF CEMENT TO BE AT 116'. THE CEMENT WAS BROUGHT TO SURFACE FROM 155' IN 3 STAGES WITH 250 SX CEMENT USED.

9.625" CASING WAS RAN AND CEMENTED AT 2807' W/780 SX 65/35 POZ.& 200 SX CL. C.CEMENT. THE CEMENT CIRCULATED TO SURFACE ON INITIAL CEMENT OPERATION. 7" CASING RAN AND CEMENTED AT 9470' W/525 SX 65/35 POZ.& 200 SX CL. H.CEMENT. A TEMPERATURE SURVAY FOUND THE TOP OF CEMENT TO BE AT 3200'.

A 4.5" LINER WAS RAN AND CEMENTED AT 8933'-11,780' W/400 SX CL. C. CEMENT.

A CBL RAN FOUND THE TOP OF CEMENT TO BE AT 3260'. PERFORATED 4.5" LINER AT 11,612'-18'. THE WELL IS PRODUCING FROM THE CARLSBAD MORROW SOUTH.

660' FSL 1673' FWL MAYER & MERTZ BLUEWATER FEDERAL #1

THE BLUEWATER FEDERAL #1 WAS PERMITTED ON 10/1/1983.
13.375" CASING WAS RAN AND CEMENTED AT 281' W/ 100 SX HALL. LITE, &
400 SX CL. C. CEMENT. CEMENT CIRCULATED ON INITIAL CEMENT
OPERATION.

8.625" CASING WAS RAN AND CEMENTED AT 1596' W/ 580 SX CL. C.
CEMENT.

CEMENT CIRCULATED ON THE INITIAL CEMENT OPERATION.

4.5" CASING WAS RAN AND CEMENTED AT 5056' W/ 850 SX 50/50 POZ.
CEMENT. THE TEMPERTURE SURVEY FOUND THE TOP OF CEMENT TO BE
AT 2690'.

THE 4.5" CASING WAS PERFORATED AT 4926'-44'.

A CIBP WAS RAN AND SET AT 4920' WITH 10' OF CEMENT ON TOP OF CIBP.

THE 4.5" CASING WAS PERFORATED AT 4795'-4851'.

A CIBP WAS RAN AND SET AT 4785'

THE 4.5" CASING WAS PERFORATED AT 4684'-4756'.

THE WELL IS PRODUCING FROM THE WILDCAT DELAWARE POOL.

SECTION 7-23s-26e

2310' FEL 660' FSL EXXON CORP. NEWMAN #1

THE NEWMAN #1 WAS PERMITTED ON 2/10/1975.

THE WELL WAS SPUDDED ON 2/13/1975 WITH A CABLETOOL.

5/12/1975 A ROTARY RIG WAS MOVED ONTO THE WELL.

16" CASING WAS RAN AND CEMENTED AT 96' W/ 180 SX CL. C. CEMENT.

CEMENT CIRCULATED TO THE SURFACE ON INITIAL CEMENT OPERATION.

9.625" CASING WAS RAN AND CEMENTED AT 2480' W/ 900 SX HOWCO LITE &
150 SX CL. C. CEMENT. THE CEMENT CIRCULATED TO SURFACE ON INITIAL
CEMENT OPERATION.

THE WELL WAS TD'ED AT 11,625'. THE WELL WAS PLUGGED BACK TO 4920'.

A 35 SX CEMENT PLUG WAS SET AT 11,100'. A 35 SX CEMENT PLUG WAS SET
AT 10,100',

A 35 SX CEMENT PLUG WAS SET AT 8600'-8500'. A 35 SX CEMENT PLUG
WAS SET AT 6200'-6100',

A 55 SX CEMENT PLUG WAS SET AT 5040'-4910'.

THE CEMENT PLUG WAS DRESSED OFF TO 4920'.

THE 4.5" CASING WAS RAN AND CEMENTED AT 4920' W/ 675 SX 50/50 POZ.

THE 4.5" CASING WAS PERFORATED AT 4781'-90'.

THE WELL IS PRODUCING FROM THE BRYNES MIDDLE TANK DELEWARE
GAS POOL.

6/27/1984' NEW PERFORTIONS WERE ADDED AT 4746'-80'.

THE WELL WAS PLUGGED 2/25/1985.

A CIBP WAS RAN AND SET AT 4200'. A CIBP WAS RAN AND SET AT 4168'
WITH 10 SX CEMENT ON TOP OF CIBP. THE CASING WOULD NOT PRESSURE

TEST. OPERATOR FOUND A HOLE IN 4.5" CASING AT 3495'. HOLE IN CASING WERE SQUEEZED UNDER PACKER USING 50 SX CL. C. CEMENT. PRESSURE TESTED CASING OK TO 1000# PSI. PERFORATED 4.5" CASING AT 2535'. AND TRIED TO SQUEEZE. PRESSURE HELD. SPOTTED 20 SX CL. C. CEMENT AT 2535'. TAGGED CEMENT AT 2304'. PERFORATED THE 4.5" CASING AT 1320' AND CIRCULATED WITH MUD TO SURFACE. SQUEEZED A 30 SX CL.C. CEMENT PLUG AT 1320'. PERFORATED 4.5" CASING AT 50' AND CIRCULATED CEMENT TO SURFACE .

SECTION 6-23s-26e

1980' FSL 1980' FWL CORINNE GRACE CUEVA UNIT #1

THE CUEVA UNIT #1 WAS PERMITTED ON 9/12/1974.

THE WELL WAS SPUDDED ON 9/14/1974.

CONDUCTOR PIPE WAS SET AT 30'.

16" CASING WAS RAN AND CEMENTED AT 255' W/ 490 SX CL. C. CEMENT. CEMENT CIRCULATED TO SURFACE ON INITIAL CEMENT OPERATION.

11.75" CASING WAS RAN AND CEMENTED AT 1257' W/ 515 SX CL. C.

CEMENT. A TEMPERATURE SURVEY FOUND TOP OF CEMENT TO BE AT 1000'.

THE CEMENT WAS TAGGED AT 788' AND BROUGHT TO SURFACE IN 7 STAGES FROM 788' WITH 420 SX CEMENT USED. DURING DRILLING OPERATIONS A 5 SX CEMENT PLUG WAS SPOTTED AT 402' TO SHUTOFF A WATER FLOW AND BOULDERS FROM 402'-230'.

8.625" CASING WAS RAN AND CEMENTED AT 4915' W/540 SX HALL. LITE & 150 SX CL. C CEMENT. NO REPORT ON CEMENT CIRCULATED . THE TOC WAS AT 1180' BY TEMPERATURE SURVEY.

THE WELL WAS TD'ED AT 11,535'.

5.5" CASING WAS RAN AND CEMENTED AT 11,618' W/ 1350 SX CL. H.

CEMENT. A TEMPERATURE SURVEY FOUND THE TOP OF CEMENT TO BE AT 6,900'.

THE 5.5" CASING WAS PERFORATED AT 10,164'-266'.

THE WELL IS PRODUCING FROM THE SHEEP DRAW STRAWN POOL.

NEW PERFORATIONS WERE ADDED 11/18/1983 AT 11,178'-88'.

NEW PERFORATIONS WERE ADDED AT 11,116'-24' ON 11/27/1983.

SECTION 1-23s-25e

2130' FSL 2160' FWL LOUIS DREYFUS NATURAL GAS CORP. SQUAW FED. #3

THE SQUAW FEDERAL #3 WAS PERMITTED ON 8/20/1985.

THE WELL WAS SPUDDED ON 9/14/1985 WITH A ROTARY DRILLING RIG.

20" CONDUCTOR PIPE WAS SET AT 85' WITH 250 SX CL. C. CEMENT & ALSO READY MIXED TO SURFACE.

THE WELL LOST CIRCULATION AT 203' WHILE DRILLING.

13.375 CASING WAS RAN AND CEMENTED AT 1510' W/ 1600 SX CL. C.& 300 SX CL. C. CEMENT. THE CEMENT DID NOT CIRCULATE. A TEMPERATURE

SURVEY FOUND THE TOP OF CEMENT AT 950'. THE CEMENT WAS BROUGHT TO SURFACE FROM 627' IN 7 STAGES WITH 735 SX CEMENT USED.

9.625" CASING WAS RAN AND CEMENTED AT 2604' W/ 475 SX HOWCO LITE & 300 SX CL. C. CEMENT. THE CEMENT CIRCULATED TO SURFACE ON THE INITIAL CEMENT OPERATION. 5" CASING WAS RAN AND CEMENTED AT 11,665' WITH A D.V. TOOL SET AT 4778'. CEMENTED W/ 1st STAGE 1800 SX CL. H. CEMENT & 2nd STAGE W/1000 SX TLW. CEMENT.

THE CEMENT DID NOT CIRCULATE TO SURFACE ON INITIAL CEMENT OPERATION. A TEMPERATURE SURVEY FOUND TOP OF CEMENT TO BE AT 3300'.

THE 5" CASING WAS PERFORATED AT 11,218'-621'.

THE WELL IS PRODUCING FROM THE SHEEP DRAW MORROW GAS POOL. 7/9/1987 A VALVE ON A SERVICE COMPANY'S BLENDER WAS LEFT OPEN ALLOWING APPROXIMATELY 5-10 BBL OF DIESEL TO LEAK ONTO THE LOCATION. THE LEAK WAS STOPPED BY CLOSING THE VALVE. THE AFFECTED AREA COVERED MOST OF THE SW/4 OF THE LOCATION AND A AREA 8' WIDE TAPERING TO 6' WIDE 200' IN LENGTH, WEST OF THE LOCATION. THE LEAK DID NOT AFFECT ANY SURFACE WATER. THE AREA WAS CLEANED UP BY COVERING IT WITH FRESH DIRT.

A CIBP WAS RAN AND SET AT 11,150'.

NEW PERFORATIONS WERE ADDED AT 10,469'-857'.

WELL IS PRODUCING FROM THE SHEEP DRAW ATOKA POOL.

COMMINGLE PERMIT APPROVED 3/15/1988'.

NEW PERFORATIONS ADDED AT 9754'-9770'.

3/26/1997 RAN AND SET CIBP AT 10,050' WITH 50' OF CEMENT ON TOP OF CIBP.

NEW PERFORATIONS WERE ADDED 9989'-9992'.

WELL IS PRODUCING FROM THE SHEEP DRAW ATOKA {GAS} POOL.

NO WELLS FOUND IN SECTIONS 2-22s-25e OR 3-22s-25

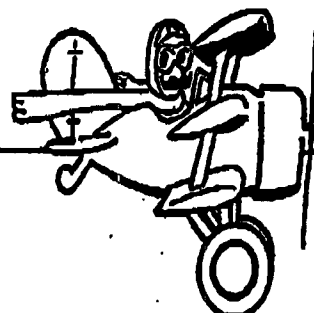
7/17/2002 MIKE STUBBLEFIELD ENVIR. ENG. SPEC.

IN COMING!

DATE: 12/27/2001

476-3462

ATTENTION: <u>Willy Olson</u>
FROM: <u>Mike Stubblefield</u>
NUMBER OF PAGES INCLUDING COVER SHEET: <u>8</u>



OIL CONSERVATION DIVISION
DISTRICT II
ARTESIA, NM 88210

IF YOU HAVE ANY PROBLEMS WITH THIS TRANSMISSION OR IF YOU DO NOT
RECEIVE ALL PAGES, PLEASE CALL 505-748-1283.
FAX NUMBER: (505) 748-9720

HAVE A GREAT DAY!


**CARDINAL
LABORATORIES**

PHONE (915) 678-7001 • 2111 BEECHWOOD • ABILENE, TX 79608

PHONE (505) 393-2326 • 101 E. MARLAND • HOBBS, NM 88240

ANALYTICAL RESULTS FOR
CITY OF CARLSBAD
P.O. BOX 1569
CARLSBAD, NM 88220
FAX TO: (505) 885-0385

Receiving Date: 12/20/01
Reporting Date: 12/20/01
Project Number: NOT GIVEN
Project Name: NOT GIVEN
Project Location: NOT GIVEN

Sampling Date: 12/20/01
Sample Type: GROUNDWATER
Sample Condition: COOL & INTACT
Sample Received By: BC
Analyzed By: BC

LAB NUMBER	SAMPLE ID	BENZENE (mg/L)	TOLUENE (mg/L)	ETHYL BENZENE (mg/L)	TOTAL XYLENES (mg/L)
ANALYSIS DATE		12/20/01	12/20/01	12/20/01	12/20/01
h6363-1	MONITOR WELL #3	0.005	0.005	<0.002	<0.006
Quality Control		0.099	0.099	0.099	0.286
True Value QC		0.100	0.100	0.100	0.300
% Recovery		99.1	99.4	99.1	95.2
Relative Percent Difference		1.0	2.0	2.2	2.8

METHOD: EPA SW-846 8260

NOTE: The analysis was extended and the following compounds were tentatively identified:
Diethyl sulfide, Methyl ethyl sulfide, Acetone, Methoxypropene.

[Signature]
Chemist

12/20/01
Date

PLEASE NOTE: Liability and Damages. Cardinal's liability and clients exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its affiliates or successors arising out of or related to the performance of services hereunder by Cardinal, regardless of whether such claim is based upon any of the above-stated reasons or otherwise.

H6363.XLS

Form 1-321

DUPLICATE

NEW MEXICO OIL CONSERVATION COMMISSION

Santa Fe, New Mexico

NOTICE OF INTENTION TO DRILL

MAY 31 1940

Notice must be given to the Oil Conservation Commission or its proper agent and approved before drilling begins. If changes in the proposed plan are considered advisable, a copy of this notice showing such changes will be returned to the sender. Submit this notice in triplicate. One copy will be returned to the sender. See additional instructions in Rules and Regulations of the Commission.

CARLSBAD, N. M.

Jan. 10, 1940

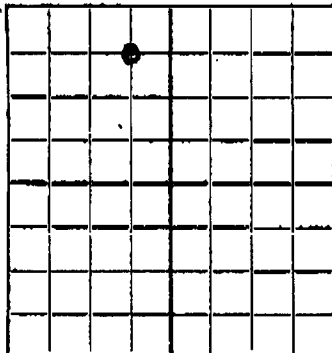
OIL CONSERVATION COMMISSION,
Santa Fe, New Mexico

Gentlemen:

You are hereby notified that it is our intention to commence the drilling of a well to be known as _____

_____ Well No. 1 in _____
Company of Operator _____ Lease _____
of Sec. 18, T. 23 S, R. 26 E, N. M. P. M., Dark Canyon field, Eddy County.

The well is 660 ft feet [N.] [S.] of the North line and 1980 ft feet
[E.] [W.] of the West line of Sec 18 Twp. 23 S Range, 26 E.



(Give location from section or other legal subdivision lines. Cross out wrong directions.)

If state land the oil and gas lease is No. _____ Assignment No. _____

If patented land the owner is Ramuz, Carlsbad, N. M.

Address _____

If government land the permittee is _____

Address _____

The lessee is D. C. DeVito

Address Scharbauer Hotel, Midland, Texas

AREA 640 ACRES
LOCATE WELL CORRECTLY

We propose to drill well with drilling equipment as follows: _____

Model Super D Forth Worth spudder

The status of a bond for this well in conformance with Rule 39 of the General Rules and Regulations of the Commission is as follows: Appld for American Emp. Ins. Co.

We propose to use the following strings of casing and to land or cement them as indicated:

Size of Hole	Size of Casing	Weight Per Foot	New or Second Hand	Depth	Landed or Cemented	Sacks Cement
10 "	8 1/2 "	30#	S. H.	Approx 150'	Cmt. 25 Sx.	
8 "	7 "	20#	New	1350'	Cmt. 100 sx. if it is necessary to use this pipe	

If changes in the above plan become advisable we will notify you before cementing or landing casing. We estimate that the first productive oil or gas sand should occur at a depth of about 1500 feet.

Additional information:

Although the salt action should not be found on this location it will be protected according to the rules and regulations if it should be encountered.

MAY 31 1940

Approved _____, 19 _____
except as follows:

Sincerely yours,

E. Paul Moran

E. Paul Moran

Company or Operator

By Self.

Position Owner

Send communication regarding well to

Name E. Paul Moran P.O.B. 409

Address Carlsbad, N. M.

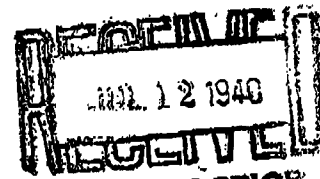
OIL CONSERVATION COMMISSION.

By Roy Garbrough

Title OIL & GAS INSPECTOR



NEW MEXICO OIL CONSERVATION COMMISSION
Santa Fe, New Mexico



MISCELLANEOUS NOTICES

Submit this notice in triplicate to the Oil Conservation Commission or its proper agent before ~~the work specified in~~ to begin. A copy will be returned to the sender on which will be given the approval, with any modifications considered advisable, or the rejection by the Commission or agent, of the plan submitted. The plan as approved should be followed, and work should not begin until approval is obtained. See additional instructions in the Rules and Regulations of the Commission.

Indicate nature of notice by checking below:

NOTICE OF INTENTION TO TEST CASING SHUT-OFF	<input checked="" type="checkbox"/>	NOTICE OF INTENTION TO SHOOT OR CHEMICALLY TREAT WELL	
NOTICE OF INTENTION TO CHANGE PLANS		NOTICE OF INTENTION TO PULL OR OTHERWISE ALTER CASING	
NOTICE OF INTENTION TO REPAIR WELL		NOTICE OF INTENTION TO PLUG WELL	
NOTICE OF INTENTION TO DEEPEN WELL			

Carlsbad, New Mexico. July 7 1940

Place

Date

OIL CONSERVATION COMMISSION,
Santa Fe, New Mexico.

Gentlemen:

Following is a notice of intention to do certain work as described below at the

E. Paul Moran,

Ramus

Well No. 1

in NE 1/4

Company or Operator

Lease

of Sec. 18, T. 23 south R. 26 east, N. M. P. M., Wildcat Field,

Eddy

County.

FULL DETAILS OF PROPOSED PLAN OF WORK

FOLLOW INSTRUCTIONS IN THE RULES AND REGULATIONS OF THE COMMISSION

Running 7 inch O.D. to shut-off water. Halliburton doing the cementing job, on ~~Wed~~ Tuesday, July 9th. Will drill cement plug on Friday, July 12th., and test for shut-off.

Estimated to use 14 sacks of cement.

JUL 12 1940

Approved _____, 19____
except as follows:

E. Paul Moran,

Company or Operator

By E. Paul Moran

Position

Send communications regarding well to

Name

E. Paul Moran

Address

Carlsbad, New Mexico.

OIL CONSERVATION COMMISSION,

By Ray J. G. G. G.

Title

OIL & GAS INSPECTOR

DUPLICATE

NEW MEXICO OIL CONSERVATION COMMISSION
Santa Fe, New Mexico

MISCELLANEOUS REPORTS ON WELL

Submit this report in triplicate to the Oil Conservation Commission or its proper agent within ten days after the work specified is completed. It should be signed and sworn to before a notary public for reports on beginning drilling operations, results of shooting well, results of test of casing shut-offs, result of plugging of well, and other important operations, even though the work was witnessed by an agent of the commission. Reports on minor operations need not be signed and sworn to before a notary public. See additional instructions in the Rules and Regulations of the Commission.

Indicate nature of report by checking below:

REPORT ON BEGINNING DRILLING OPERATIONS		REPORT ON REPAIRING WELL	
REPORT ON RESULT OF SHOOTING OR CHEMICAL TREATMENT OF WELL		REPORT ON PULLING OR OTHERWISE ALTERING CASING	
REPORT ON RESULT OF TEST OF CASING SHUT-OFF	X	REPORT ON DEEPENING WELL	
REPORT ON RESULT OF PLUGGING OF WELL			

Carlsbad, New Mexico.

August 1 1940

Place

Date

OIL CONSERVATION COMMISSION
Santa Fe, New Mexico.
Gentlemen:

Following is a report on the work done and the results obtained under the heading noted above at the

E. Paul Moran

Ramuz

Well No. 1 in the

Company or Operator

Lease

EEI NW1

of Sec. 18

T. 23 south

R. 26 east

N. M. P. M.,

Wildcat

Field,

Eddy

County

The dates of this work were as follows: July 23-25

Notice of intention to do the work was ~~submitted~~ submitted on Form C-102 on July 7 1940 19____ and approval of the proposed plan was ~~obtained~~ obtained. (Cross out incorrect words.)

DETAILED ACCOUNT OF WORK DONE AND RESULTS OBTAINED

After drilling plug, 2 bailers of water came in per hour, prepared well for Halliburton to test for shut off. Halliburton placed 600 lbs. pressure at the casing head and declared it to be a perfect shutoff. Water coming in is what water was absorbed by the open formation. Now bailing and water exhausting.

Witnessed by D. C. De Vito

Independent

Name	Company	Title

Subscribed and sworn to before me this 1st

day of August, 1940

Notary Public

My Commission expires August 5, 1941

I hereby swear or affirm that the information given above is true and correct.

Name E. Paul Moran

Position Owner

Representing _____ Company or Operator

Address _____

Remarks:

Roy Gardnough
Name
W. & C. S. INS. AGENT

Form G-102

DUPLICATE

NEW MEXICO OIL CONSERVATION COMMISSION

Santa Fe, New Mexico

MISCELLANEOUS NOTICES

Submit this notice in triplicate to the Oil Conservation Commission or its proper agent before the work specified is to begin. A copy will be returned to the sender on which will be given the approval, with modifications considered advisable, or the rejection by the Commission or agent, of the plan submitted. The plan approved should be followed, and work should not begin until approval is obtained. See additional instructions in the Rules and Regulations of the Commission.

Indicate nature of notice by checking below:

NOTICE OF INTENTION TO TEST CASING SHUT-OFF		NOTICE OF INTENTION TO SHOOT OR CHEMICALLY TREAT WELL	
NOTICE OF INTENTION TO CHANGE PLANS		NOTICE OF INTENTION TO PULL OR OTHERWISE ALTER CASING	<input checked="" type="checkbox"/>
NOTICE OF INTENTION TO REPAIR WELL			
NOTICE OF INTENTION TO DEEPEN WELL		NOTICE OF INTENTION TO PLUG WELL	<input checked="" type="checkbox"/>

Os Ishad, New Mexico

Place

August 9 1940

Date

OIL CONSERVATION COMMISSION,
Santa Fe, New Mexico.

Gentlemen:

Following is a notice of intention to do certain work as described below at the

E Paul Moran #1 Ramus Well No. 1 in NE 1/4 NW 1/4
Company or Operator Lease
of Sec. 18, T. 23 S, R. 26 E, N. M. P. M., Wildcat Field,
Eddy County.

FULL DETAILS OF PROPOSED PLAN OF WORK**FOLLOW INSTRUCTIONS IN THE RULES AND REGULATIONS OF THE COMMISSION**

Struck water (salt) at 1808' and came up approximately 1500' in the hole. We are cementing this water with 10 sacks of cement. Will leave in the hole between 200 and 250' of cemented pipe which we ran to shut off water encountered at 1563'. After balance of pipe is pulled will fill hole with mud up to 2508' from the surface and cement with 10 sacks of cement to protect whatever surface waters there may be above, then will mud hole up to near the surface and place a cement cap with regulation 4" pipe as marker for this well

AUG 14 1940

Approved _____, 19____
except as follows:

E Paul Moran
Company of Operator

By _____

Position _____
Send communications regarding well to

OIL CONSERVATION COMMISSION,

By Ray Garbrough

Name _____

Address _____

This OIL & GAS INSPECTOR

TRIPPLICATE

NEW MEXICO OIL CONSERVATION COMMISSION
Santa Fe, New Mexico

RECEIVED
NOV 18 1940
TOLSON'S OFFICE

MISCELLANEOUS REPORTS ON WELL

Submit this report in triplicate to the Oil Conservation Commission or its proper agent within ten days after the work specified is completed. It should be signed and sworn to before a notary public for reports on beginning drilling operations, results of shooting well, results of test of casing shut-offs, result of plugging of well, and other important operations, even though the work was witnessed by an agent of the commission. Reports on minor operations need not be signed and sworn to before a notary public. See additional instructions in the Rules and Regulations of the Commission.

Indicate nature of report by checking below:

REPORT ON BEGINNING DRILLING OPERATIONS		REPORT ON REPAIRING WELL	
REPORT ON RESULT OF SHOOTING OR CHEMICAL TREATMENT OF WELL		REPORT ON PULLING OR OTHERWISE ALTERING CASING	
REPORT ON RESULT OF TEST OF CASING SHUT-OFF		REPORT ON DEEPENING WELL	
REPORT ON RESULT OF PLUGGING OF WELL	X		

Carlsbad, New Mexico Nov 7 1940
Place Date

OIL CONSERVATION COMMISSION
Santa Fe, New Mexico.
Gentlemen:

Following is a report on the work done and the results obtained under the heading noted above at the

E. Paul Moran Ramiz Well No. 1 in the
Company or Operator Lease
Center NE 1/4 of Sec. 18 T. 23 south R. 26 east, N. M. P. M.,
Wilcoat Field, Eddy County

The dates of this work were as follows: August 10-15th, Nov. 5-6th, 1940

Notice of intention to do the work was (was not) submitted on Form C-102 on August 9 1940
and approval of the proposed plan was (was not) obtained. (Cross out incorrect words.)

DETAILED ACCOUNT OF WORK DONE AND RESULTS OBTAINED

Cemented bottom water at 1808 feet with 10 sacks. Left 235 feet of 7 inch which was cemented to shut off water encountered at 1563-66'. Filled hole with mud up to 225 feet from the surface and cemented with 10 sacks of cement in order to protect any surface waters. Left 100 feet of 8 1/2 inch surface pipe. Filled hole up with mud and placed a cement cap with regulation 4" pipe as marker.

Witnessed by D.C. De Vito and George Roundey, Independent Operators.
Name Company Title

Subscribed and sworn to before me this 13th
day of November, 1940

Notary Public

My Commission expires August 2, 1941

Remarks:

I hereby swear or affirm that the information given above is true and correct.

Name E. Paul Moran

Position Owner

Representing Company or Operator

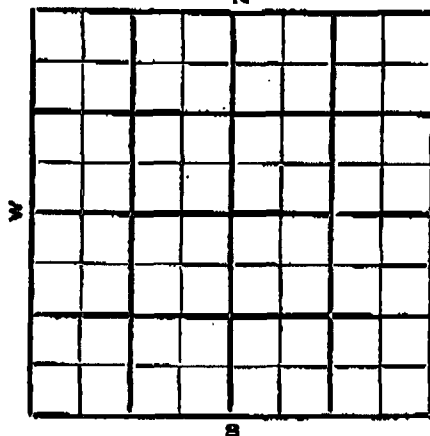
Address Carlsbad, New Mexico

R. O. Yerbrugh
Name
OIL & GAS INSPECTOR
Title

SCOUT REPORT
NEW MEXICO
OIL CONSERVATION COMMISSION

WILDCAT

30-015-00375

Company F. M. MoranFarm Name RamuzWell No. 1Land Classification StateSec. 18 Twp. 23 Range 26 County EddyFeet from Line: 660 N. S. E. 1980 W

Elevation

Method

Contractor Moran Drilling Company ScoutSpudded 1-18-40 Completed 8-17-40 Initial Production

Bond Status

Amount
Casing and Cementing Record

Size	Feet	Inches	Sex Cement

Tubing Record

ACID RECORD

Gals.

Top Pay

TD

TA

TS

BS

TRS

TBL

TWA

SHOOTING RECORD

No. of Quarts

Shot at

Feet

No. of Quarts

Shot at

Feet

S/O 1559 S/O 1559 S/O

S/O S/O S/O

DATE	DATE
<u>JAN 3 1940</u>	<u>JUL 10</u>
<u>FEB 7 40</u>	<u>JUL 17</u>
<u>FEB 14 40</u>	<u>JUL 24</u>
<u>FEB 21 40</u>	<u>JUL 31</u>
<u>FEB 28 40</u>	<u>AUG 7</u>
<u>MAR 6 40</u>	<u>AUG 14</u>
<u>MAR 13 40</u>	<u>AUG 21</u>
<u>MAR 20 40</u>	<u>AUG 28</u>
<u>MAR 27 40</u>	<u>SEP 4</u>
<u>APR 3 40</u>	<u>SEP 11</u>
<u>APR 10 40</u>	<u>SEP 18</u>
<u>APR 17 40</u>	<u>SEP 25</u>
<u>APR 24 40</u>	<u>OCT 2</u>
<u>MAY 1 40</u>	<u>OCT 9</u>
<u>MAY 8 40</u>	<u>OCT 16</u>
<u>MAY 15 40</u>	<u>OCT 23</u>
<u>MAY 22 40</u>	<u>OCT 30</u>
<u>MAY 29 40</u>	<u>NOV 6</u>
<u>JUN 5 40</u>	<u>NOV 13</u>
<u>JUN 12 40</u>	<u>NOV 20</u>
<u>JUN 19 40</u>	<u>NOV 27</u>
<u>JUN 26 40</u>	<u>DEC 4</u>
<u>JUL 3 40</u>	<u>DEC 11</u>
<u>JUL 10 40</u>	<u>DEC 18</u>
<u>JUL 17 40</u>	<u>DEC 25</u>
<u>JUL 24 40</u>	<u>JAN 1 1941</u>
<u>JUL 31 40</u>	<u>JAN 8 1941</u>
<u>AUG 7 40</u>	<u>JAN 15 1941</u>
<u>AUG 14 40</u>	<u>JAN 22 1941</u>
<u>AUG 21 40</u>	<u>JAN 29 1941</u>
<u>AUG 28 40</u>	<u>FEB 5 1941</u>
<u>SEP 4 40</u>	<u>FEB 12 1941</u>
<u>SEP 11 40</u>	<u>FEB 19 1941</u>
<u>SEP 18 40</u>	<u>FEB 26 1941</u>
<u>SEP 25 40</u>	<u>MAR 5 1941</u>
<u>OCT 2 40</u>	<u>MAR 12 1941</u>
<u>OCT 9 40</u>	<u>MAR 19 1941</u>
<u>OCT 16 40</u>	<u>MAR 26 1941</u>
<u>OCT 23 40</u>	<u>APR 2 1941</u>
<u>OCT 30 40</u>	<u>APR 9 1941</u>
<u>NOV 6 40</u>	<u>APR 16 1941</u>
<u>NOV 13 40</u>	<u>APR 23 1941</u>
<u>NOV 20 40</u>	<u>APR 30 1941</u>
<u>NOV 27 40</u>	<u>MAY 7 1941</u>
<u>DEC 4 40</u>	<u>MAY 14 1941</u>
<u>DEC 11 40</u>	<u>MAY 21 1941</u>
<u>DEC 18 40</u>	<u>MAY 28 1941</u>
<u>DEC 25 40</u>	<u>JUN 4 1941</u>
<u>JAN 1 1941</u>	<u>JUN 11 1941</u>
<u>JAN 8 1941</u>	<u>JUN 18 1941</u>
<u>JAN 15 1941</u>	<u>JUN 25 1941</u>
<u>JAN 22 1941</u>	<u>JUL 2 1941</u>
<u>JAN 29 1941</u>	<u>JUL 9 1941</u>
<u>FEB 5 1941</u>	<u>JUL 16 1941</u>
<u>FEB 12 1941</u>	<u>JUL 23 1941</u>
<u>FEB 19 1941</u>	<u>JUL 30 1941</u>
<u>FEB 26 1941</u>	<u>AUG 6 1941</u>
<u>MAR 5 1941</u>	<u>AUG 13 1941</u>
<u>MAR 12 1941</u>	<u>AUG 20 1941</u>
<u>MAR 19 1941</u>	<u>AUG 27 1941</u>
<u>MAR 26 1941</u>	<u>SEP 3 1941</u>
<u>APR 2 1941</u>	<u>SEP 10 1941</u>
<u>APR 9 1941</u>	<u>SEP 17 1941</u>
<u>APR 16 1941</u>	<u>SEP 24 1941</u>
<u>APR 23 1941</u>	<u>SEP 30 1941</u>
<u>APR 30 1941</u>	<u>OCT 7 1941</u>
<u>MAY 7 1941</u>	<u>OCT 14 1941</u>
<u>MAY 14 1941</u>	<u>OCT 21 1941</u>
<u>MAY 21 1941</u>	<u>OCT 28 1941</u>
<u>MAY 28 1941</u>	<u>NOV 4 1941</u>
<u>JUN 4 1941</u>	<u>NOV 11 1941</u>
<u>JUN 11 1941</u>	<u>NOV 18 1941</u>
<u>JUN 18 1941</u>	<u>NOV 25 1941</u>
<u>JUN 25 1941</u>	<u>DEC 2 1941</u>
<u>JUL 2 1941</u>	<u>DEC 9 1941</u>
<u>JUL 9 1941</u>	<u>DEC 16 1941</u>
<u>JUL 16 1941</u>	<u>DEC 23 1941</u>
<u>JUL 23 1941</u>	<u>DEC 30 1941</u>
<u>JUL 30 1941</u>	<u>JAN 6 1942</u>
<u>AUG 6 1941</u>	<u>JAN 13 1942</u>
<u>AUG 13 1941</u>	<u>JAN 20 1942</u>
<u>AUG 20 1941</u>	<u>JAN 27 1942</u>
<u>AUG 27 1941</u>	<u>FEB 3 1942</u>
<u>SEP 3 1941</u>	<u>FEB 10 1942</u>
<u>SEP 10 1941</u>	<u>FEB 17 1942</u>
<u>SEP 17 1941</u>	<u>FEB 24 1942</u>
<u>SEP 24 1941</u>	<u>MAR 3 1942</u>
<u>SEP 30 1941</u>	<u>MAR 10 1942</u>
<u>OCT 7 1941</u>	<u>MAR 17 1942</u>
<u>OCT 14 1941</u>	<u>MAR 24 1942</u>
<u>OCT 21 1941</u>	<u>MAR 31 1942</u>
<u>OCT 28 1941</u>	<u>APR 7 1942</u>
<u>NOV 4 1941</u>	<u>APR 14 1942</u>
<u>NOV 11 1941</u>	<u>APR 21 1942</u>
<u>NOV 18 1941</u>	<u>APR 28 1942</u>
<u>NOV 25 1941</u>	<u>MAY 5 1942</u>
<u>DEC 2 1941</u>	<u>MAY 12 1942</u>
<u>DEC 9 1941</u>	<u>MAY 19 1942</u>
<u>DEC 16 1941</u>	<u>MAY 26 1942</u>
<u>DEC 23 1941</u>	<u>JUN 2 1942</u>
<u>DEC 30 1941</u>	<u>JUN 9 1942</u>
<u>JAN 6 1942</u>	<u>JUN 16 1942</u>
<u>JAN 13 1942</u>	<u>JUN 23 1942</u>
<u>JAN 20 1942</u>	<u>JUN 30 1942</u>
<u>JAN 27 1942</u>	<u>JUL 7 1942</u>
<u>FEB 3 1942</u>	<u>JUL 14 1942</u>
<u>FEB 10 1942</u>	<u>JUL 21 1942</u>
<u>FEB 17 1942</u>	<u>JUL 28 1942</u>
<u>FEB 24 1942</u>	<u>AUG 4 1942</u>
<u>MAR 3 1942</u>	<u>AUG 11 1942</u>
<u>MAR 10 1942</u>	<u>AUG 18 1942</u>
<u>MAR 17 1942</u>	<u>AUG 25 1942</u>
<u>MAR 24 1942</u>	<u>SEP 1 1942</u>
<u>MAR 31 1942</u>	<u>SEP 8 1942</u>
<u>APR 7 1942</u>	<u>SEP 15 1942</u>
<u>APR 14 1942</u>	<u>SEP 22 1942</u>
<u>APR 21 1942</u>	<u>SEP 29 1942</u>
<u>APR 28 1942</u>	<u>OCT 6 1942</u>
<u>MAY 5 1942</u>	<u>OCT 13 1942</u>
<u>MAY 12 1942</u>	<u>OCT 20 1942</u>
<u>MAY 19 1942</u>	<u>OCT 27 1942</u>
<u>MAY 26 1942</u>	<u>NOV 3 1942</u>
<u>JUN 2 1942</u>	<u>NOV 10 1942</u>
<u>JUN 9 1942</u>	<u>NOV 17 1942</u>
<u>JUN 16 1942</u>	<u>NOV 24 1942</u>
<u>JUN 23 1942</u>	<u>DEC 1 1942</u>
<u>JUN 30 1942</u>	<u>DEC 8 1942</u>
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<u>JUL 14 1942</u>	<u>DEC 22 1942</u>
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<u>AUG 4 1942</u>	<u>JAN 12 1943</u>
<u>AUG 11 1942</u>	<u>JAN 19 1943</u>
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<u>AUG 25 1942</u>	<u>FEB 2 1943</u>
<u>SEP 1 1942</u>	<u>FEB 9 1943</u>
<u>SEP 8 1942</u>	<u>FEB 16 1943</u>
<u>SEP 15 1942</u>	<u>FEB 23 1943</u>
<u>SEP 22 1942</u>	<u>FEB 29 1943</u>
<u>SEP 29 1942</u>	<u>MAR 6 1943</u>
<u>OCT 6 1942</u>	<u>MAR 13 1943</u>
<u>OCT 13 1942</u>	<u>MAR 20 1943</u>
<u>OCT 20 1942</u>	<u>MAR 27 1943</u>
<u>OCT 27 1942</u>	<u>APR 3 1943</u>
<u>NOV 3 1942</u>	<u>APR 10 1943</u>
<u>NOV 10 1942</u>	<u>APR 17 1943</u>
<u>NOV 17 1942</u>	<u>APR 24 1943</u>
<u>NOV 24 1942</u>	<u>APR 30 1943</u>
<u>DEC 1 1942</u>	<u>MAY 7 1943</u>
<u>DEC 8 1942</u>	<u>MAY 14 1943</u>
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<u>JAN 12 1943</u>	<u>JUN 18 1943</u>
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<u>JAN 26 1943</u>	<u>JUL 2 1943</u>
<u>FEB 2 1943</u>	<u>JUL 9 1943</u>
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<u>FEB 16 1943</u>	<u>JUL 23 1943</u>
<u>FEB 23 1943</u>	<u>JUL 30 1943</u>
<u>FEB 29 1943</u>	<u>AUG 6 1943</u>
<u>MAR 6 1943</u>	<u>AUG 13 1943</u>
<u>MAR 13 1943</u>	<u>AUG 20 1943</u>
<u>MAR 20 1943</u>	<u>AUG 27 1943</u>
<u>MAR 27 1943</u>	<u>SEP 3 1943</u>
<u>APR 3 1943</u>	<u>SEP 10 1943</u>
<u>APR 10 1943</u>	<u>SEP 17 1943</u>
<u>APR 17 1943</u>	<u>SEP 24 1943</u>
<u>APR 24 1943</u>	<u>SEP 30 1943</u>
<u>APR 30 1943</u>	<u>OCT 7 1943</u>
<u>MAY 7 1943</u>	<u>OCT 14 1943</u>
<u>MAY 14 1943</u>	<u>OCT 21 1943</u>
<u>MAY 21 1943</u>	<u>OCT 28 1943</u>
<u>MAY 28 1943</u>	<u>NOV 4 1943</u>
<u>JUN 4 1943</u>	<u>NOV 11 1943</u>
<u>JUN 11 1943</u>	<u>NOV 18 1943</u>
<u>JUN 18 1943</u>	<u>NOV 25 1943</u>
<u>JUN 25 1943</u>	<u>DEC 2 1943</u>
<u>JUL 2 1943</u>	<u>DEC 9 1943</u>
<u>JUL 9 1943</u>	<u>DEC 16 1943</u>
<u>JUL 16 1943</u>	<u>DEC 23 1943</u>
<u>JUL 23 1943</u>	<u>DEC 30 1943</u>
<u>JUL 30 1943</u>	<u>JAN 6 1944</u>
<u>AUG 6 1943</u>	<u>JAN 13 1944</u>
<u>AUG 13 1943</u>	<u>JAN 20 1944</u>
<u>AUG 20 1943</u>	<u>JAN 27 1944</u>
<u>AUG 27 1943</u>	<u>FEB 3 1944</u>
<u>SEP 3 1943</u>	<u>FEB 10 1944</u>
<u>SEP 10 1943</u>	<u>FEB 17 1944</u>
<u>SEP 17 1943</u>	<u>FEB 24 1944</u>
<u>SEP 24 1943</u>	<u>MAR 3 1944</u>
<u>SEP 30 1943</u>	<u>MAR 10 1944</u>
<u>OCT 7 1943</u>	<u>MAR 17 1944</u>
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<u>OCT 21 1943</u>	<u>MAR 31 1944</u>
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<u>SEP 29 1944</u>	<u>MAR 6 1945</u>
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<u>OCT 20 1944</u>	<u>MAR 27 1945</u>
<u>OCT 27 1944</u>	<u>APR 3 1945</u>
<u>NOV 3 1944</u>	<u>APR 10 1945</u>
<u>NOV 10 1944</u>	<u>APR 17 1945</u>
<u>NOV 17 1944</u>	<u>APR 24 1945</</u>

* P.01 *
* TRANSACTION REPORT *
* DEC-27-2001 THU 03:53 PM *
* FOR: *
* RECEIVE *
* DATE START SENDER RX TIME PAGES TYPE NOTE M# DP *
* DEC-27 03:50 PM 15057489720 3'07" 8 RECEIVE OK *

FAX COVER SHEET

OIL CONSERVATION DIVISON
1301 W. GRAND AVE
ARTESIA, NM 88210

PHONE (505-748-1283
FAX (505-748-9720

Date 6/19/2002

TO: William Olson 476-3462.

FROM: mike Stobblefield

NUMBER OF PAGES 3 (INCLUDING COVER SHEET)

MESSAGE Turner + DeVito DeVito #1 Info.

* P.01 *
* TRANSACTION REPORT *
* JUN-19-2002 WED 08:30 AM *
* FOR: OCD DISTRICT II 15057489720 *

* DATE START RECEIVER TX TIME PAGES TYPE NOTE M# DP *

* JUN-19 08:19 AM 17004763462 5' 36" 4 SEND OK 568 *

Olson, William

From: Stubblefield, Mike
Sent: Monday, January 07, 2002 11:44 AM
To: Olson, William
Subject: MINERALS TECH INC. MARY FED. #1 30-015-20785 H-11-23s-25e SI WELL GAS WELL.

WILLY,

HERE IS INFO. ON THE WELL YOU ASKED ABOUT.
THE MARY FED. #1 HAS 16" CASING SET AT SET AT 100' CIRC.

THE 9.625" CASING IS SET AT 2430' AND CEMENTED W/1000 SXS INITIAL .
DID NOT CIRC. TOC AT 600' BY TEMP. SURVEY. 1" TO SURFACE FROM
625' IN 9 STAGES.

THE OPERATOR WAS UNABLE TO CIRC. CEMENT ON THE 9.625" CASING
TO SURFACE IN THE WELL USING CONVENTION CEMENTING METHODS FROM 270' TO SURFACE.
14 YARDS READY MIX USED FROM 270' TO SURFACE .

5.5" CASING IS SET AT 11,570' CEMENTED W/350 SXS CL. H CEMENT.
TOC. AT 10,100' BY TEMP. SURVEY. ON 5.5" CASING STRING.

THERE IS A PLUGGING PROCEDURE IN WELL FILE WRITTEN BY O.C.D.
STAFF AND THE MARY FED. #1 MY BE HEADED TO SHOW CAUSE.

MIKE S.

**UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY
CONSERVATION DIVISION**

INDIVIDUAL WELL RECORD

PUBLIC LAND:

Ref. No. 2

Lead office Los Alamos State New Mexico
 Serial No. 057035 County Santa Fe
 Permittee DeTina Field Dark Canyon
 Operator Turner and DeTina District Roanoke
 Well No. 1 Subdivision SE Cor. SE & SE & SE
 Location 330 feet from N. S. line and 1650 feet from E. N. line of X & X Sec.
 Drilling approved Oct. 11, 1940 Well elevation 3446 (LAS) feet
 Drilling commenced Oct. 18, 1940 Total depth 1755 feet
 Drilling ceased Dec. 9, 1940 Initial production None
 Plugged and abandoned March 5, 1941 Gravity A. P. I.
 Abandonment approved 19 Initial R. P.

Geologic Formations

Productive Horizons

Surface

Lowest tested

Name

Depth

Contents

Tertiary

Permian

WELL STATUS

Year	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG.	SEPT.	OCT.	NOV	DEC.
<u>1940</u>										<u>DRG</u>	<u>DRG</u>	<u>DRG</u>
<u>1941</u>	<u>DRG</u>	<u>DRG</u>	<u>POA</u>									

REMARKS Water found at 832-40', 1154-58' and 1615-17'.

This check is routine and previously submitted.

Geographical Data

Washington	225	26
San Antonio	490	26
Charlotte	225	26

N

NEW MEXICO OIL CONSERVATION COMMISSION

AREA 640 ACRES
LOCATE WELL CORRECTLY

D. C. De Vito

P.O. Box 645, Midland, Texas

State

Company or Operator

1

Midland

19

23

Well No.

of Sec.

T.

Lease

26

Wildcat

Eddy

County.

Well is 660 feet south of the North line and 660 feet west of the East line of section 19

If State land the oil and gas lease is No. B-9546 Assignment No. Original

If patented land the owner is Address

If Government land the permittee is Address

The Lessee is D. C. De Vito Address Midland, Texas.

Drilling commenced March 7 1946 Drilling was completed June 15 1946

Name of drilling contractor Harvey Yates Address Artesia, New Mexico

Elevation above sea level at top of casing 3408 feet.

The information given is to be kept confidential until X 19

OIL SANDS OR ZONES

No. 1, from NONE to No. 4, from to

No. 2, from to No. 5, from to

No. 3, from to No. 6, from to

IMPORTANT WATER SANDS

Include data on rate of water inflow and elevation to which water rose in hole.

No. 1, from 1760 to 1780 feet. Salt Water

No. 2, from 1820 to 1870 feet. Salt Water

No. 3, from to feet.

No. 4, from to feet.

CASING RECORD

SIZE	WEIGHT PER FOOT	THREADS PER INCH	MAKE	AMOUNT	KIND OF SHOE	CUT & FILLED FROM	PERFORATED		PURPOSE
							FROM	TO	
12 1/2	50	8	Old	21					
8 1/2	28	8	"	21 1/2	Texas				

MUDDING AND CEMENTING RECORD

SIZE OF HOLE	SIZE OF CASING	WHERE SET	NO. SACKS OF CEMENT	METHODS USED	MUD GRAVITY	AMOUNT OF MUD USED

PLUGS AND ADAPTERS

Heaving plug—Material Cement Length 2-30 foot plugs. Depth Set 1650' and 300'

Adapters—Material Size

RECORD OF SHOOTING OR CHEMICAL TREATMENT

FORMATION RECORD

FROM	TO	THICKNESS IN FEET	FORMATION
0	210	210	Sand, Gravel and Lime Boulders.
210	230	20	Anhydrite and Red Beds.
230	1160	930	Anhydrite
1160	1260	100	Anhydrite and Lime
1260	1280	20	Anhydrite
1280	1397	117	Anhydrite and Lime.
1397	1420	23	Black Lime Top of Delaware Line 1397
1420	1460	40	Lime, Sand and trace of Shale
1460	1680	220	Black and Grey Lime
1680	1790	110	Sand, cemented Water
1790	1820	30	Sand
1820	1870	50	Sand Water
1870	1950	70	Shale and Lime
1950	1995	45	Sand
1995	2197	202	White and Buff Lime
2197	2367	170	Sand, Shale and Lime
2367	2380	13	Lime
2380	2425	45	Sand, Shale and Lime
2425	2445	20	Brown and Buff Lime with trace of sand and shale
2445	2490	45	Grey Shale and Sand
2490	2570	80	Buff to light Lime
2570	2625	55	Grey Shale and loose Sand.
2625	2635	10	Black to dark grey Lime
2635	2660	25	Grey Shale and sand.
2660	2670	10	Black to dark Grey Lime.
2670	2704	34	Grey Shale and Sand.
2704	2716	12	Black and Grey Lime, Shale and Sand.
2716	2753	37	Black Cal. Shale and Sand with trace of Lime.

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Date 6/19/2002

TO: William Olson 476-3462.

FROM: mike Stobblefield

NUMBER OF PAGES 3 (INCLUDING COVER SHEET)

MESSAGE Turner + DeVito DeVito #1 Info.

WILD CAT

9-14

一	二	三	四	五	六	七	八	九	十
十一	十二	十三	十四	十五	十六	十七	十八	十九	二十
二十一	二十二	二十三	二十四	二十五	二十六	二十七	二十八	二十九	三十
三十一	三十二	三十三	三十四	三十五	三十六	三十七	三十八	三十九	四十
四十一	四十二	四十三	四十四	四十五	四十六	四十七	四十八	四十九	五十
五十一	五十二	五十三	五十四	五十五	五十六	五十七	五十八	五十九	六十
六十一	六十二	六十三	六十四	六十五	六十六	六十七	六十八	六十九	七十
七十一	七十二	七十三	七十四	七十五	七十六	七十七	七十八	七十九	八十
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九十一	九十二	九十三	九十四	九十五	九十六	九十七	九十八	九十九	一百

Well-No.

Sec. 12 Twp. 23 Range 25 County Idaho

Feet from Line 1200 1300 1400 1500 1600 1700 1800 1900 2000 2100 2200 2300 2400 2500 2600 2700 2800 2900 3000 3100 3200 3300 3400 3500 3600 3700 3800 3900 4000 4100 4200 4300 4400 4500 4600 4700 4800 4900 5000 5100 5200 5300 5400 5500 5600 5700 5800 5900 6000 6100 6200 6300 6400 6500 6600 6700 6800 6900 7000 7100 7200 7300 7400 7500 7600 7700 7800 7900 8000 8100 8200 8300 8400 8500 8600 8700 8800 8900 9000 9100 9200 9300 9400 9500 9600 9700 9800 9900 10000 10100 10200 10300 10400 10500 10600 10700 10800 10900 11000 11100 11200 11300 11400 11500 11600 11700 11800 11900 12000 12100 12200 12300 12400 12500 12600 12700 12800 12900 13000 13100 13200 13300 13400 13500 13600 13700 13800 13900 14000 14100 14200 14300 14400 14500 14600 14700 14800 14900 15000 15100 15200 15300 15400 15500 15600 15700 15800 15900 16000 16100 16200 16300 16400 16500 16600 16700 16800 16900 17000 17100 17200 17300 17400 17500 17600 17700 17800 17900 18000 18100 18200 18300 18400 18500 18600 18700 18800 18900 19000 19100 19200 19300 19400 19500 19600 19700 19800 19900 20000 20100 20200 20300 20400 20500 20600 20700 20800 20900 21000 21100 21200 21300 21400 21500 21600 21700 21800 21900 22000 22100 22200 22300 22400 22500 22600 22700 22800 22900 23000 23100 23200 23300 23400 23500 23600 23700 23800 23900 24000 24100 24200 24300 24400 24500 24600 24700 24800 24900 25000 25100 25200 25300 25400 25500 25600 25700 25800 25900 26000 26100 26200 26300 26400 26500 26600 26700 26800 26900 27000 27100 27200 27300 27400 27500 27600 27700 27800 27900 28000 28100 28200 28300 28400 28500 28600 28700 28800 28900 29000 29100 29200 29300 29400 29500 29600 29700 29800 29900 30000 30100 30200 30300 30400 30500 30600 30700 30800 30900 31000 31100 31200 31300 31400 31500 31600 31700 31800 31900 32000 32100 32200 32300 32400 32500 32600 32700 32800 32900 33000 33100 33200 33300 33400 33500 33600 33700 33800 33900 34000 34100 34200 34300 34400 34500 34600 34700 34800 34900 35000 35100 35200 35300 35400 35500 35600 35700 35800 35900 36000 36100 36200 36300 36400 36500 36600 36700 36800 36900 37000 37100 37200 37300 37400 37500 37600 37700 37800 37900 38000 38100 38200 38300 38400 38500 38600 38700 38800 38900 39000 39100 39200 39300 39400 39500 39600 39700 39800 39900 40000 40100 40200 40300 40400 40500 40600 40700 40800 40900 41000 41100 41200 41300 41400 41500 41600 41700 41800 41900 42000 42100 42200 42300 42400 42500 42600 42700 42800 42900 43000 43100 43200 43300 43400 43500 43600 43700 43800 43900 44000 44100 44200 44300 44400 44500 44600 44700 44800 44900 45000 45100 45200 45300 45400 45500 45600 45700 45800 45900 46000 46100 46200 46300 46400 46500 46600 46700 46800 46900 47000 47100 47200 47300 47400 47500 47600 47700 47800 47900 48000 48100 48200 48300 48400 48500 48600 48700 48800 48900 49000 49100 49200 49300 49400 49500 49600 49700 49800 49900 50000 50100 50200 50300 50400 50500 50600 50700 50800 50900 51000 51100 51200 51300 51400 51500 51600 51700 51800 51900 52000 52100 52200 52300 52400 52500 52600 52700 52800 52900 53000 53100 53200 53300 53400 53500 53600 53700 53800 53900 54000 54100 54200 54300 54400 54500 54600 54700 54800 54900 55000 55100 55200 55300 55400 55500 55600 55700 55800 55900 56000 56100 56200 56300 56400 56500 56600 56700 56800 56900 57000 57100 57200 57300 57400 57500 57600 57700 57800 57900 58000 58100 58200 58300 58400 58500 58600 58700 58800 58900 59000 59100 59200 59300 59400 59500 59600 59700 59800 59900 60000 60100 60200 60300 60400 60500 60600 60700 60800 60900 61000 61100 61200 61300 61400 61500 61600 61700 61800 61900 62000 62100 62200 62300 62400 62500 62600 62700 62800 62900 63000 63100 63200 63300 63400 63500 63600 63700 63800 63900 64000 64100 64200 64300 64400 64500 64600 64700 64800 64900 65000 65100 65200 65300 65400 65500 65600 65700 65800 65900 66000 66100 66200 66300 66400 66500 66600 66700 66800 66900 67000 67100 67200 67300 67400 67500 67600 67700 67800 67900 68000 68100 68200 68300 68400 68500 68600 68700 68800 68900 69000 69100 69200 69300 69400 69500 69600 69700 69800 69900 70000 70100 70200 70300 70400 70500 70600 70700 708

[illegible]

CONTACT **Signe**

Spended 12-1-12 Completed 12-1-12 Initial Production

Bond Status

ACID RECORD

Size	Foot	Inches	See Content
10	451		15
7	1533		1000

Tubing Record

Top Pay

SHOOTING RECORD

No. of Quarts

Shot at

Feet

No. of Quarts

Shot at

Feet

61-10710

2/0

B/O

S/O

£3/0

8/0

DATE		DATE	
10-9-40 RUN			
10-15	Q 125 S		
10-29	Q B90 G		
	HBL SUL W PH - 755-60		
	HFW SUL W - 840-35		
	HFW SUL W @ 800-40		
11-6	Q 116 S		
11-13	Q 133 O L		
11-20	T.D. 12-30 L		
	Rag Q 1430		
	HFW 1056-58 Sul		
11-26	T.B. 159 C S		
	S.R. Kilmann		
12-4	T.D. 164 O L		
	S.D. Rappin		
	900 SUL W 16 Jan		
	1045-169 Jan		
12-11	T.D. 1758 S		
	D + H		
	1200 SUL W 1H		

LOG

LOG									
Depth	Formation	Grav. Depth	Formation	Depth	Formation	Grav. Depth	Formation	Depth	Formation
3000	PS	3000	PS	3000	PS	3000	PS	3000	PS
3100	Gr. A	3100	Gr. A	3100	Gr. A	3100	Gr. A	3100	Gr. A
3200	Gr. B	3200	Gr. B	3200	Gr. B	3200	Gr. B	3200	Gr. B
3300	Gr. C	3300	Gr. C	3300	Gr. C	3300	Gr. C	3300	Gr. C
3400	Gr. D	3400	Gr. D	3400	Gr. D	3400	Gr. D	3400	Gr. D
3500	Gr. E	3500	Gr. E	3500	Gr. E	3500	Gr. E	3500	Gr. E
3600	Gr. F	3600	Gr. F	3600	Gr. F	3600	Gr. F	3600	Gr. F
3700	Gr. G	3700	Gr. G	3700	Gr. G	3700	Gr. G	3700	Gr. G
3800	Gr. H	3800	Gr. H	3800	Gr. H	3800	Gr. H	3800	Gr. H
3900	Gr. I	3900	Gr. I	3900	Gr. I	3900	Gr. I	3900	Gr. I
4000	Gr. J	4000	Gr. J	4000	Gr. J	4000	Gr. J	4000	Gr. J
4100	Gr. K	4100	Gr. K	4100	Gr. K	4100	Gr. K	4100	Gr. K
4200	Gr. L	4200	Gr. L	4200	Gr. L	4200	Gr. L	4200	Gr. L
4300	Gr. M	4300	Gr. M	4300	Gr. M	4300	Gr. M	4300	Gr. M
4400	Gr. N	4400	Gr. N	4400	Gr. N	4400	Gr. N	4400	Gr. N
4500	Gr. O	4500	Gr. O	4500	Gr. O	4500	Gr. O	4500	Gr. O
4600	Gr. P	4600	Gr. P	4600	Gr. P	4600	Gr. P	4600	Gr. P
4700	Gr. Q	4700	Gr. Q	4700	Gr. Q	4700	Gr. Q	4700	Gr. Q
4800	Gr. R	4800	Gr. R	4800	Gr. R	4800	Gr. R	4800	Gr. R
4900	Gr. S	4900	Gr. S	4900	Gr. S	4900	Gr. S	4900	Gr. S
5000	Gr. T	5000	Gr. T	5000	Gr. T	5000	Gr. T	5000	Gr. T
5100	Gr. U	5100	Gr. U	5100	Gr. U	5100	Gr. U	5100	Gr. U
5200	Gr. V	5200	Gr. V	5200	Gr. V	5200	Gr. V	5200	Gr. V
5300	Gr. W	5300	Gr. W	5300	Gr. W	5300	Gr. W	5300	Gr. W
5400	Gr. X	5400	Gr. X	5400	Gr. X	5400	Gr. X	5400	Gr. X
5500	Gr. Y	5500	Gr. Y	5500	Gr. Y	5500	Gr. Y	5500	Gr. Y
5600	Gr. Z	5600	Gr. Z	5600	Gr. Z	5600	Gr. Z	5600	Gr. Z
5700	Gr. AA	5700	Gr. AA	5700	Gr. AA	5700	Gr. AA	5700	Gr. AA
5800	Gr. AB	5800	Gr. AB	5800	Gr. AB	5800	Gr. AB	5800	Gr. AB
5900	Gr. AC	5900	Gr. AC	5900	Gr. AC	5900	Gr. AC	5900	Gr. AC
6000	Gr. AD	6000	Gr. AD	6000	Gr. AD	6000	Gr. AD	6000	Gr. AD
6100	Gr. AE	6100	Gr. AE	6100	Gr. AE	6100	Gr. AE	6100	Gr. AE
6200	Gr. AF	6200	Gr. AF	6200	Gr. AF	6200	Gr. AF	6200	Gr. AF
6300	Gr. AG	6300	Gr. AG	6300	Gr. AG	6300	Gr. AG	6300	Gr. AG
6400	Gr. AH	6400	Gr. AH	6400	Gr. AH	6400	Gr. AH	6400	Gr. AH
6500	Gr. AI	6500	Gr. AI	6500	Gr. AI	6500	Gr. AI	6500	Gr. AI
6600	Gr. AJ	6600	Gr. AJ	6600	Gr. AJ	6600	Gr. AJ	6600	Gr. AJ
6700	Gr. AK	6700	Gr. AK	6700	Gr. AK	6700	Gr. AK	6700	Gr. AK
6800	Gr. AL	6800	Gr. AL	6800	Gr. AL	6800	Gr. AL	6800	Gr. AL
6900	Gr. AM	6900	Gr. AM	6900	Gr. AM	6900	Gr. AM	6900	Gr. AM
7000	Gr. AN	7000	Gr. AN	7000	Gr. AN	7000	Gr. AN	7000	Gr. AN
7100	Gr. AO	7100	Gr. AO	7100	Gr. AO	7100	Gr. AO	7100	Gr. AO
7200	Gr. AP	7200	Gr. AP	7200	Gr. AP	7200	Gr. AP	7200	Gr. AP
7300	Gr. AQ	7300	Gr. AQ	7300	Gr. AQ	7300	Gr. AQ	7300	Gr. AQ
7400	Gr. AR	7400	Gr. AR	7400	Gr. AR	7400	Gr. AR	7400	Gr. AR
7500	Gr. AS	7500	Gr. AS	7500	Gr. AS	7500	Gr. AS	7500	Gr. AS
7600	Gr. AT	7600	Gr. AT	7600	Gr. AT	7600	Gr. AT	7600	Gr. AT
7700	Gr. AU	7700	Gr. AU	7700	Gr. AU	7700	Gr. AU	7700	Gr. AU
7800	Gr. AV	7800	Gr. AV	7800	Gr. AV	7800	Gr. AV	7800	Gr. AV
7900	Gr. AW	7900	Gr. AW	7900	Gr. AW	7900	Gr. AW	7900	Gr. AW
8000	Gr. AX	8000	Gr. AX	8000	Gr. AX	8000	Gr. AX	8000	Gr. AX
8100	Gr. AY	8100	Gr. AY	8100	Gr. AY	8100	Gr. AY	8100	Gr. AY
8200	Gr. AZ	8200	Gr. AZ	8200	Gr. AZ	8200	Gr. AZ	8200	Gr. AZ
8300	Gr. BA	8300	Gr. BA	8300	Gr. BA	8300	Gr. BA	8300	Gr. BA
8400	Gr. BB	8400	Gr. BB	8400	Gr. BB	8400	Gr. BB	8400	Gr. BB
8500	Gr. BC	8500	Gr. BC	8500	Gr. BC	8500	Gr. BC	8500	Gr. BC
8600	Gr. BD	8600	Gr. BD	8600	Gr. BD	8600	Gr. BD	8600	Gr. BD
8700	Gr. BE	8700	Gr. BE	8700	Gr. BE	8700	Gr. BE	8700	Gr. BE
8800	Gr. BF	8800	Gr. BF	8800	Gr. BF	8800	Gr. BF	8800	Gr. BF
8900	Gr. BG	8900	Gr. BG	8900	Gr. BG	8900	Gr. BG	8900	Gr. BG
9000	Gr. BH	9000	Gr. BH	9000	Gr. BH	9000	Gr. BH	9000	Gr. BH
9100	Gr. BI	9100	Gr. BI	9100	Gr. BI	9100	Gr. BI	9100	Gr. BI
9200	Gr. BJ	9200	Gr. BJ	9200	Gr. BJ	9200	Gr. BJ	9200	Gr. BJ
9300	Gr. BK	9300	Gr. BK	9300	Gr. BK	9300	Gr. BK	9300	Gr. BK
9400	Gr. BL	9400	Gr. BL	9400	Gr. BL	9400	Gr. BL	9400	Gr. BL
9500	Gr. BM	9500	Gr. BM	9500	Gr. BM	9500	Gr. BM	9500	Gr. BM
9600	Gr. BN	9600	Gr. BN	9600	Gr. BN	9600	Gr. BN	9600	Gr. BN
9700	Gr. BO	9700	Gr. BO	9700	Gr. BO	9700	Gr. BO	9700	Gr. BO
9800	Gr. BP	9800	Gr. BP	9800	Gr. BP	9800	Gr. BP	9800	Gr. BP
9900	Gr. BQ	9900	Gr. BQ	9900	Gr. BQ	9900	Gr. BQ	9900	Gr. BQ
10000	Gr. BR	10000	Gr. BR	10000	Gr. BR	10000	Gr. BR	10000	Gr. BR

TOPS

Operator Turner & DeVito
Well DeVito #1
Unit 0 Section 12 Township 23-S Range 35-E
API # 30-015-00136

Yates _____
T. Salt _____
B. Salt _____
Glorieta _____
Bone Sp. _____
Abo _____
Wolfcamp _____
Morrow _____
Devonian _____
Fusselman _____
Other _____

10" casing set @ 451'

w / 5 sacks cement

Pos. cut & Pulled.

650'
← Hole Full of SUL. Water. 755' - 880'.
+ SALT WATER.

7" casing set @ 1533', Mudded.

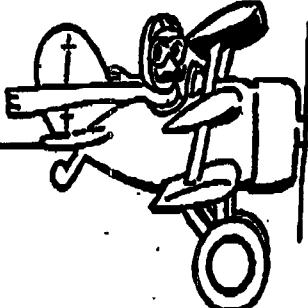
T.O. - 1758'

IN COMING!

DATE: 12/28/2001

426-3462

ATTENTION:	<u>Willy Olson</u>
FROM:	<u>Mike Stubblefield</u>
NUMBER OF PAGES INCLUDING COVER SHEET:	<u>3</u>



OIL CONSERVATION DIVISION
DISTRICT II
ARTESIA, NM 88210

IF YOU HAVE ANY PROBLEMS WITH THIS TRANSMISSION OR IF YOU DO NOT
RECEIVE ALL PAGES, PLEASE CALL 505-748-1283.
FAX NUMBER: (505) 748-9720

Willy

This could be the P.A. well due
east of the City Monitor Well #3.

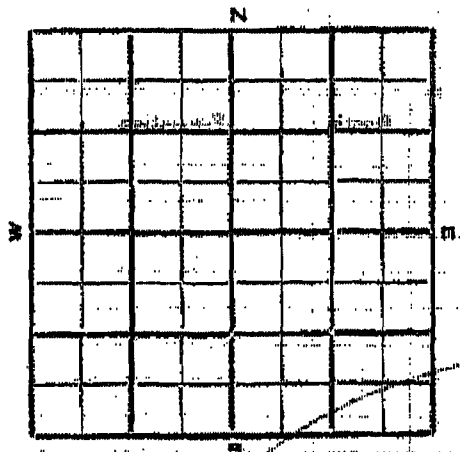
No well file exist - I found only
a Scout Report.

Sulphur Water reported @ 880'?

HAVE A GREAT DAY!

~~SECRET~~

9. R



Well No. 7

Sec. 12 Twp. 23 Range 25 County Blaine

Feet from Line: 65 N. 370 S. 1650 E. 12 W.

Elevation	Method

Contractor _____ **Scout** _____

Spudded 10-10-10 Completed 12-10-10 Initial Production

Bond Status

ACID RECORD

Gals.

22

TS

22

TES 1234

TABLE

EWL

SHOOTING RECORD

No. of Quarts	Shot at	Feet
1	100	100
2	100	100
3	100	100
4	100	100
5	100	100
6	100	100
7	100	100
8	100	100
9	100	100
10	100	100
11	100	100
12	100	100
13	100	100
14	100	100
15	100	100
16	100	100
17	100	100
18	100	100
19	100	100
20	100	100
21	100	100
22	100	100
23	100	100
24	100	100
25	100	100
26	100	100
27	100	100
28	100	100
29	100	100
30	100	100
31	100	100
32	100	100
33	100	100
34	100	100
35	100	100
36	100	100
37	100	100
38	100	100
39	100	100
40	100	100
41	100	100
42	100	100
43	100	100
44	100	100
45	100	100
46	100	100
47	100	100
48	100	100
49	100	100
50	100	100
51	100	100
52	100	100
53	100	100
54	100	100
55	100	100
56	100	100
57	100	100
58	100	100
59	100	100
60	100	100
61	100	100
62	100	100
63	100	100
64	100	100
65	100	100
66	100	100
67	100	100
68	100	100
69	100	100
70	100	100
71	100	100
72	100	100
73	100	100
74	100	100
75	100	100
76	100	100
77	100	100
78	100	100
79	100	100
80	100	100
81	100	100
82	100	100
83	100	100
84	100	100
85	100	100
86	100	100
87	100	100
88	100	100
89	100	100
90	100	100
91	100	100
92	100	100
93	100	100
94	100	100
95	100	100
96	100	100
97	100	100
98	100	100
99	100	100
100	100	100

No. of Quarts	Shot at	Feet
---------------	---------	------

S/O: [redacted] S/O: [redacted] S/O: [redacted]

S/O	S/O	S/O
-----	-----	-----

[illegible]

LOG

Depth	Formation	Depth	Formation	Depth	Formation
0.0	0.0	0.0	0.0	0.0	0.0
0.1	0.1	0.1	0.1	0.1	0.1
0.2	0.2	0.2	0.2	0.2	0.2
0.3	0.3	0.3	0.3	0.3	0.3
0.4	0.4	0.4	0.4	0.4	0.4
0.5	0.5	0.5	0.5	0.5	0.5
0.6	0.6	0.6	0.6	0.6	0.6
0.7	0.7	0.7	0.7	0.7	0.7
0.8	0.8	0.8	0.8	0.8	0.8
0.9	0.9	0.9	0.9	0.9	0.9
1.0	1.0	1.0	1.0	1.0	1.0
1.1	1.1	1.1	1.1	1.1	1.1
1.2	1.2	1.2	1.2	1.2	1.2
1.3	1.3	1.3	1.3	1.3	1.3
1.4	1.4	1.4	1.4	1.4	1.4
1.5	1.5	1.5	1.5	1.5	1.5
1.6	1.6	1.6	1.6	1.6	1.6
1.7	1.7	1.7	1.7	1.7	1.7
1.8	1.8	1.8	1.8	1.8	1.8
1.9	1.9	1.9	1.9	1.9	1.9
2.0	2.0	2.0	2.0	2.0	2.0
2.1	2.1	2.1	2.1	2.1	2.1
2.2	2.2	2.2	2.2	2.2	2.2
2.3	2.3	2.3	2.3	2.3	2.3
2.4	2.4	2.4	2.4	2.4	2.4
2.5	2.5	2.5	2.5	2.5	2.5
2.6	2.6	2.6	2.6	2.6	2.6
2.7	2.7	2.7	2.7	2.7	2.7
2.8	2.8	2.8	2.8	2.8	2.8
2.9	2.9	2.9	2.9	2.9	2.9
3.0	3.0	3.0	3.0	3.0	3.0
3.1	3.1	3.1	3.1	3.1	3.1
3.2	3.2	3.2	3.2	3.2	3.2
3.3	3.3	3.3	3.3	3.3	3.3
3.4	3.4	3.4	3.4	3.4	3.4
3.5	3.5	3.5	3.5	3.5	3.5
3.6	3.6	3.6	3.6	3.6	3.6
3.7	3.7	3.7	3.7	3.7	3.7
3.8	3.8	3.8	3.8	3.8	3.8
3.9	3.9	3.9	3.9	3.9	3.9
4.0	4.0	4.0	4.0	4.0	4.0
4.1	4.1	4.1	4.1	4.1	4.1
4.2	4.2	4.2	4.2	4.2	4.2
4.3	4.3	4.3	4.3	4.3	4.3
4.4	4.4	4.4	4.4	4.4	4.4
4.5	4.5	4.5	4.5	4.5	4.5
4.6	4.6	4.6	4.6	4.6	4.6
4.7	4.7	4.7	4.7	4.7	4.7
4.8	4.8	4.8	4.8	4.8	4.8
4.9	4.9	4.9	4.9	4.9	4.9
5.0	5.0	5.0	5.0	5.0	5.0
5.1	5.1	5.1	5.1	5.1	5.1
5.2	5.2	5.2	5.2	5.2	5.2
5.3	5.3	5.3	5.3	5.3	5.3
5.4	5.4	5.4	5.4	5.4	5.4
5.5	5.5	5.5	5.5	5.5	5.5
5.6	5.6	5.6	5.6	5.6	5.6
5.7	5.7	5.7	5.7	5.7	5.7
5.8	5.8	5.8	5.8	5.8	5.8
5.9	5.9	5.9	5.9	5.9	5.9
6.0	6.0	6.0	6.0	6.0	6.0
6.1	6.1	6.1	6.1	6.1	6.1
6.2	6.2	6.2	6.2	6.2	6.2
6.3	6.3	6.3	6.3	6.3	6.3
6.4	6.4	6.4	6.4	6.4	6.4
6.5	6.5	6.5	6.5	6.5	6.5
6.6	6.6	6.6	6.6	6.6	6.6
6.7	6.7	6.7	6.7	6.7	6.7
6.8	6.8	6.8	6.8	6.8	6.8
6.9	6.9	6.9	6.9	6.9	6.9
7.0	7.0	7.0	7.0	7.0	7.0
7.1	7.1	7.1	7.1	7.1	7.1
7.2	7.2	7.2	7.2	7.2	7.2
7.3	7.3	7.3	7.3	7.3	7.3
7.4	7.4	7.4	7.4	7.4	7.4
7.5	7.5	7.5	7.5	7.5	7.5
7.6	7.6	7.6	7.6	7.6	7.6
7.7	7.7	7.7	7.7	7.7	7.7
7.8	7.8	7.8	7.8	7.8	7.8
7.9	7.9	7.9	7.9	7.9	7.9
8.0	8.0	8.0	8.0	8.0	8.0
8.1	8.1	8.1	8.1	8.1	8.1
8.2	8.2	8.2	8.2	8.2	8.2
8.3	8.3	8.3	8.3	8.3	8.3
8.4	8.4	8.4	8.4	8.4	8.4
8.5	8.5	8.5	8.5	8.5	8.5
8.6	8.6	8.6	8.6	8.6	8.6
8.7	8.7	8.7	8.7	8.7	8.7
8.8	8.8	8.8	8.8	8.8	8.8
8.9	8.9	8.9	8.9	8.9	8.9
9.0	9.0	9.0	9.0	9.0	9.0
9.1	9.1	9.1	9.1	9.1	9.1
9.2	9.2	9.2	9.2	9.2	9.2
9.3	9.3	9.3	9.3	9.3	9.3
9.4	9.4	9.4	9.4	9.4	9.4
9.5	9.5	9.5	9.5	9.5	9.5
9.6	9.6	9.6	9.6	9.6	9.6
9.7	9.7	9.7	9.7	9.7	9.7
9.8	9.8	9.8	9.8	9.8	9.8
9.9	9.9	9.9	9.9	9.9	9.9
10.0	10.0	10.0	10.0	10.0	10.0

DATE	START	SENDER	RX TIME	PAGES	TYPE	NOTE	M#	DP
DEC-28	10:52 AM	15057489720	2' 18"	3	RECEIVE	OK		

WELLS IN CITY OF CARLSBAD WELLHEAD PROTECTION AREA

30-015-25379 K-1-23s-25e LOUIS DREYFUS NAT. GAS CORP. SQUAW FED. #3
ACTIVE

30-015-23106 A-10-23s-25e ENRON OIL & GAS ROCK TANK 10 ST. #1
P&A

30-015-20785 H-11-23s-25e MINERAL TECH. INC. MARY FED. #1
ACTIVE

30-015-24942 H-11-23s-25e EXXON CORP. MARY FED. #3
P&A

30-015-25378 N-11-23s-25e PINON PETRO. INC. MARY FED. #5
SHUT-IN

30-015-25046 H-11-23s-25e EXXON CORP. MARY FED. #3y
P&A

30-015-20999 F-12-23s-25e LOUIS DREYFUS NAT. GAS CORP. SQUAW FED. #1
P&A

30-015-00136 0-12-23s-25e TURNER DEVITO DEVITO #1
P&A

30-015-24701 G-13-23s-25e EXXON CORP. SQUAW FED. #2
P&A

30-015-24595 P-13-23s-25e EXXON CORP. NEW MEXICO DS ST. #1
EXP. DRLG INT

30-015-22430 J-15-23s-25e GULF OIL CORP. SHEARN D FED. COM. #1
P&A

30-015-24698 A-24-23s-25e EXXON CORP. MARY FED. #2
EXP. DRLG INT.

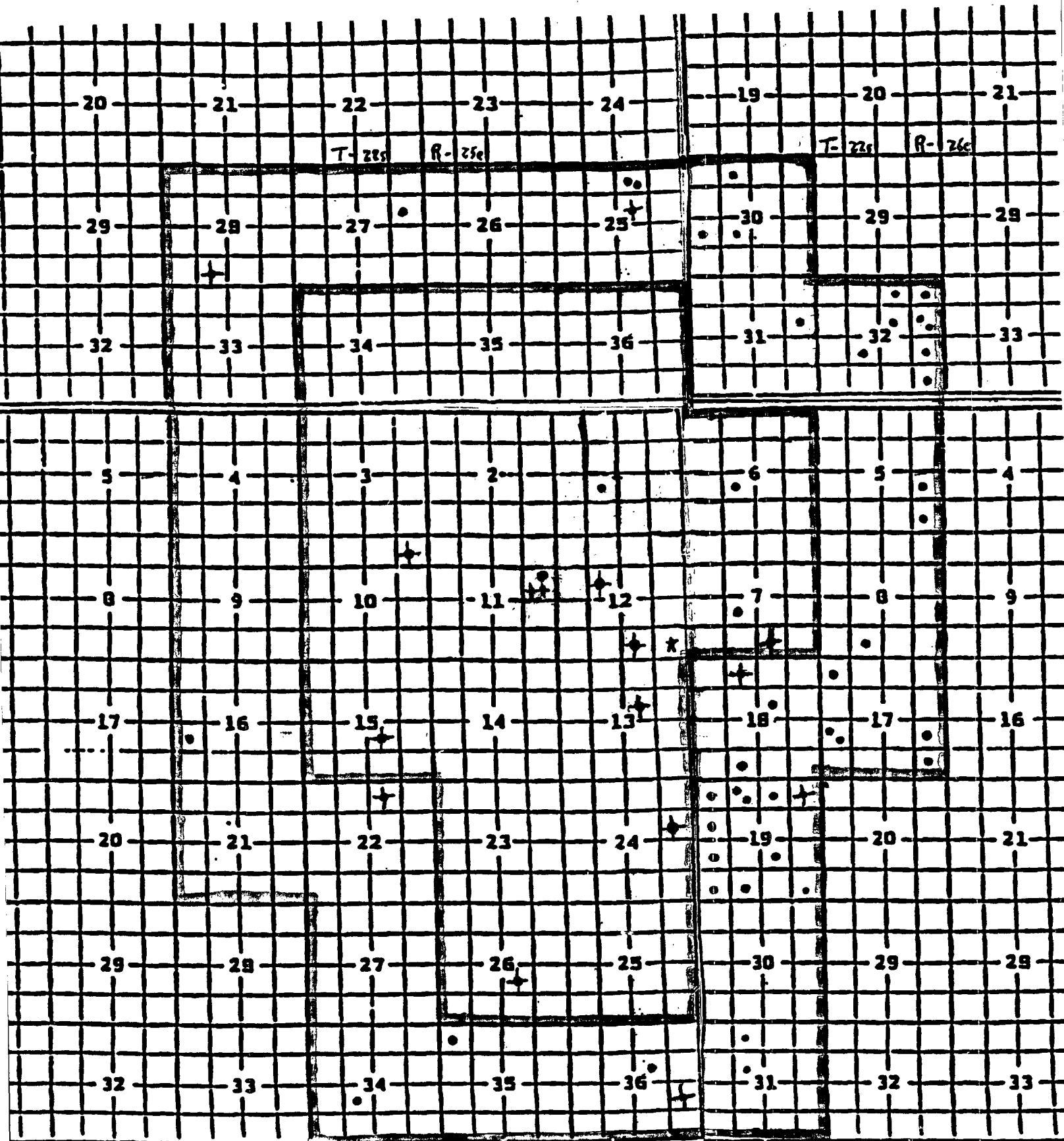
30-015-25135 H-24-23s-25e EXXON CORP. MARY FED. #4
P&A

30-015-30524 O-25-23s-25e DEVON ENERGY PROD. CO. RUGER 25 FED. #1
EXP. DRLG INT.

30-015-26975 J-26-23s-25e COLLINS & WARE INC. MULEY FED. #1
P&A

30-015-21362 K-6-23s-26e CORINNE GRACE CUEVA UNIT #1
ACTIVE

30-015-21477 O-7-23s-26e EXXON CORP. NEWMAN #1
P&A



T-235 R-25e

T-235 R-26e

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUBMIT IN TRIPLICATE*
(Other instructions on re-
verse side)

Form approved.
Budget Bureau No. 1004-0135
Expires August 31, 1985

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—" for such proposals.)

1. OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> OTHER <input type="checkbox"/>	2. NAME OF OPERATOR Exxon Corporation	3. ADDRESS OF OPERATOR P. O. Box 1600, Midland, TX 79702	4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.) At surface 2479' FSL & 1880' FWL of Sec. (N SW)	5. LEASE DESIGNATION AND SERIAL NO. NM	6. IF INDIAN, ALLOTTEE OR TRIBE NAME --	7. UNIT AGREEMENT NAME --	8. FARM OR LEASE NAME Squaw Federal	9. WELL NO. 3	10. FIELD AND POOL, OR WILDCAT Undes. Sheep Draw-Morrow Gas	11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA Sec. 1, T23S, R25E	12. COUNTY OR PARISH Eddy	13. STATE NM
14. PERMIT NO.	15. ELEVATIONS (Show whether DF, ST, GR, etc.) 3695' GR											

16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF <input type="checkbox"/>	PULL OR ALTER CASING <input type="checkbox"/>
FRACTURE TREAT <input type="checkbox"/>	MULTIPLE COMPLETION <input type="checkbox"/>
SHOOT OR ACIDIZE <input type="checkbox"/>	ABANDON* <input type="checkbox"/>
REPAIR WELL <input type="checkbox"/>	CHANGE PLANS <input type="checkbox"/>
(Other) <input type="checkbox"/>	

SUBSEQUENT REPORT OF:

WATER SHUT-OFF <input type="checkbox"/>	REPAIRING WELL <input type="checkbox"/>
FRACTURE TREATMENT <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
SHOOTING OR ACIDIZING <input type="checkbox"/>	ABANDONMENT* <input type="checkbox"/>
(Other) <input checked="" type="checkbox"/> Spud/Casing Report	

(NOTE: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

Spud 26" hole on 9-14-85. Ran 20", 94# conductor pipe to 85'. Cemented w/250 sx ClC and circulated w/no returns. Left 15' cement in conductor. Had good cement 34' from surface. Received approval from BLM to order pea gravel and ready mix. WOC 9 hours before drill out. Lost returns at 203'. Dumped pea gravel down backside of conductor. Obtained approval to use Gear Gum to build visc. pills. Found parted csg. Pulled csg. & left 20' in hole - tagged at 65'. Pumped 100 bbls. 250 visc. pill before running wireline survey. Resumed drilling & lost returns at 544'. Pumped 50 bbls. 150 visc. - no returns. Drilled w/no returns. Set 13-3/8", 54.5# K55 STC at 1510'. Preflushed w/100 sx. ClC. Cemented w/1600 sx Lite C & 300 sx ClC. This was approved by Jim Wright, State Engineer. Notified BLM of temp. survey on 9-21-85. Ran survey & found cement at 950'. Ran 1" tbg. Tagged at 710'. Pumped 150 sx ClC. Pulled tbg. & WOC. Ran 1" tbg. Tagged at 627'. Pumped 3 yards pea gravel & 100 sx ClC. Pulled tbg. & WOC. Ran 1" tbg. Tagged at 610'. Added 3 yards pea gravel and 100 sx ClC. Pulled tbg. & WOC. Ran 1" tbg. Tagged at 610'. Pumped 4 yards pea gravel and 100 sx ClC. Pulled tbg. & WOC. Ran 1" tbg. Tagged at 480'. Pumped 5 yards pea gravel and 100 sx ClC. Pulled 1" tbg. Left 275' in hole. WOC. Ran 1" tbg. Tagged at 480'. Pumped 2-1/2 yards gravel & 100 sx ClC. Pull tbg. & WOC. Ran 1" tbg. Tagged at 60'. Pumped 75 sx ClC - no returns. Pumped 2-1/2 yards pea gravel & 10 sx cmt. Tagged cmt at 1430'. Art Mason from State Engineer's office came by and approved 1" procedure. Resumed drilling.

18. I hereby certify that the foregoing is true and correct

SIGNED Melba Ruppel TITLE Unit Head

DATE 9-19-85

(This space for Federal or State office use)

APPROVED BY _____ TITLE _____
CONDITIONS OF APPROVAL, IF ANY:

DATE _____

*See Instructions on Reverse Side

Operator Enron Oil & Gas Co.
Well Rock Tank 10 ST. #1
Unit A Section 10 Township 23S Range 25E
API # 30-015 -- 23106

TOPS

Yates _____
T. Salt _____
B. Salt _____
Glorieta _____
Bone Sp. 4735'
Abo _____
Wolfcamp 8403'
Morrow 10,481'
Devonian _____
Fusselman _____
Other T. Delaware 2492'

13 3/8" 54.5 # csg set @ 412'.

w/ 450 sxs cement. Circ.

9 5/8" 36 # csg set @ 2500'.

w/ 1200 sxs cement. Circ.

+ Atoka Perfs - 10,289' - 96'

+ Morrow Perfs - 11,099' - 133'

4 1/2" 11.6 # csg @ 11,562'.

w/ 850 sxs cement

History

Well was spudded + Drilled 2/11/1980.

Well was plugged 12/3/1980'

Operator Minerals Tech. Inc.
Well Mary Fed. #1
Unit H Section 11 Township 23S Range 25E
API # 30-0 - - -

TOPS

Yates _____
T. Salt _____
B. Salt _____
Glorieta _____
Bone Sp. 4952'
Abo _____
Wolfcamp 8542'
Morrow 10710'
Devonian _____
Fusselman _____
Other T. Delaware - 2300'

16" Conductor casing set @ 100' Circ
w/ 150sxs cement.

9 5/8" 32.30# casing set @ 2430'
w/ 1000sxs cement. T.o.c. 600'
1" To Surface. Circ.

+ Ports 9850'
+ Ports - 10268' - 92'
+ Ports - 11363' -

5 1/2" 17 7/8 20# casing set @ 11570'
w/ 350sxs cement. T.o.c. - 16,100' Reggeced 9870' w/ 250sxs cement.

History

Well was spud & Drilled 1/20/1973.
Well T.Ded 11,570'. Plugged & Aban. 3/5/1973.
8/4/1973 Well Drilled out.
5 1/2" casing set @ 11,570'.

Form 9-331
(May 1963)UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEYSUBMIT IN THE MANNER
(Other instructions on re-
verse side)Form approved.
Budget Bureau No. 42-R1424.

5. LEASE DESIGNATION AND SERIAL NO.

NM 0426782

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME

Sheep Draw

9. WELL NO.

#1

10. FIELD AND POOL, OR WILDCAT

Wildcat

11. SEC., T., R., M., OR BLK. AND
SURVEY OR AREA

Sec. 11-23S-25E NMPM

12. COUNTY OR PARISH 13. STATE

Eddy

New Mexico

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—" for such proposals.)1. OIL WELL ☐ GAS WELL ☒ OTHER

2. NAME OF OPERATOR

Hanagan Petroleum Corporation

3. ADDRESS OF OPERATOR

P. O. Box 1737 - Roswell, New Mexico 88201

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.*
See also space 17 below.)
At surface

1980' FNL and 660' FEL

RECEIVE

FEB 2 1973

14. PERMIT NO.

15. ELEVATIONS (Show whether DF, RT, GR, etc.)

3724' GR

16.

Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF

FRACTURE TREAT

SHOOT OR ACIDIZE

REPAIR WELL

(Other)

PULL OR ALTER CASING

MULTIPLE COMPLETE

ABANDON*

CHANGE PLANS

SUBSEQUENT REPORT OF:

WATER SHUT-OFF

FRACTURE TREATMENT

SHOOTING OR ACIDIZING

(Other)

REPAIRING WELL

ALTERING CASING

ABANDONMENT*

(NOTE: Report results of multiple completion on Well
Completion or Recompletion Report and Log form.)17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any
proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones perti-
nent to this work.)*

1-20-73 Spud 12:30 a.m. Moranco Contractor.

1-21-73 TD 100' - 20" hole. Ran 3 jts 16" 42# csg set w/150 sx Class C 1/4# flocele & 2% CaCl, plug down 10:45 a.m., cement circulated. 1.32 slurry vol cu ft/sx 750 temp. Slurry mixed est fm temp @ 750° compressive strength 565#, drilled plug 10:45 p.m. 1-21-73 WOC 12 hr press up 600# for 30 min, no press drop.

1-25-73 TD 2430' (14 3/4" & 12 1/4" hole) Ran 80 jts 32.30# H-40 9 5/8" cs set at 2430', cmt w/850 sx Howco light 5# gilsonite 1/4# flocele & 2% CaCl & 150 sx Class "c" 1/4# flocele & 2% CaCl, plug down 1:10 p.m. 1-25-73. Did not circulate. Ran Howco temp survey top cement @ 600' Ran 1" tbg to 600'.

Plug #1 - 35 sx Class "c" 4% CaCl. Top cement @ 625'.
 #2 - 35 sx Class "c" 4% CaCl.
 #3 - 50 sx Class "c" 4% CaCl. Top cement @ 610'.
 #4 - 35 sx Class "c" 4% CaCl. Top cement @ 610'.
 #5 - 35 sx Howco Special Thixomix
 #6 - 35 sx Class "c" 4% CaCl. Top cement @ 395'. Pump 110 bbl mud, no returns.
 #7 - 35 sx Class "c" 4% CaCl. Top cement 330'.
 #8 - 30 sx Class "c" 4% CaCl. Top cement 270'. No fluid in hole.

(continued over)

18. I hereby certify that the foregoing is true and correct

SIGNED M. L. SoutherlandM. L. Southerland
TITLE Agent

DATE Jan. 29, 1973

(This space for Federal or State office use)

APPROVED BY

CONDITIONS OF APPROVAL, IF ANY:

FEB - 1 1973

R. L. BECKMAN

ACTING DISTRICT ENGINEER

TITLE

DATE

*See instructions on Reverse Side

Instructions

General: This form is designed for submitting proposals to perform certain well operations, and reports of such operations when completed, as indicated, on Federal and Indian lands pursuant to applicable Federal law and regulations, and, if approved or accepted by any State, on all lands in such State, pursuant to applicable State law and regulations. Any necessary special instructions concerning the use of this form and the number of copies to be submitted, particularly with regard to local, area, or regional procedures and practices, either are shown below or will be issued by, or may be obtained from, the local Federal and/or State office.

Item 4: If there are no applicable State requirements, locations on Federal or Indian land should be described in accordance with Federal requirements. Consult local State or Federal office for specific instructions.

Item 17: Proposals to abandon a well and subsequent reports of abandonment should include such special information as is required by local Federal and/or State offices. In addition, such proposals and reports should include reasons for the abandonment; data on any former or present productive zones, or other zones with present significant fluid contents not sealed off by cement or otherwise; depths (top and bottom) and method of placement of cement plugs; mud or other material placed below, between and above plugs; amount, size, method of parting of any casing, liner or tubing pulled and the depth to top of any left in the hole; method of closing top of well; and date well site conditioned for final inspection looking to approval of the abandonment.

U.S. GOVERNMENT PRINTING OFFICE: 1963-O-685228

847-485

Ran 14 yards Ready Mix, circ., completed @ 10:00 p.m.
1-26-73.

1-27-73 Drilled plug @ 3:00 p.m. 1-27-73 - WOC 50 hours
press up 2000# 30 min. No press drop.

Operator Exxon Corp.
Well Mary Fed. #3
Unit # Section 11 Township 23S Range 25E
API # 30-015-24942

Yates _____
T. Salt _____
B. Salt _____
Glorieta _____
Bone Sp. _____
Abo _____
Wolfcamp _____
Morrow _____
Devonian _____
Fusselman _____
Other _____

8 5/8" 24 # csg set to 1432'

w/ 836 lbs cement, 1" to surface. w/ 300 csg.

History

Well was spudded + Drilled " 8/14/1984.

Well Plugged 8/19/1984. TO - 1750'.

November 1983)
Formerly 9-331)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUBMIT IN TRIPLICATE
(Other instructions on reverse side)

Expires August 31, 1985

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—" for such proposals.)

1. OIL WELL <input type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/> P & A - Fish In Hole		RECEIVED BY		5. LEASE DESIGNATION AND SERIAL NO. NM-0426782	
2. NAME OF OPERATOR Exxon Corporation		SEP 24 1984		6. IF INDIAN, ALLOTTEE OR TRIBE NAME --	
3. ADDRESS OF OPERATOR P. O. Box 1600, Midland, TX 79702		O. C. D. ARTESIA OFFICE		7. UNIT AGREEMENT NAME --	
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.) At surface 1925' FNL and 810' FEL of Section (SE/NE)				8. FARM OR LEASE NAME Mary Federal	
				9. WELL NO. 3	
				10. FIELD AND POOL, OR WILDCAT Wildcat - <i>Dolanore</i>	
				11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA Sec. 11 - 23S - 25E	
14. PERMIT NO. 30-015-24242		15. ELEVATIONS (Show whether DF, ST, GR, etc.) 3738.4' GR		12. COUNTY OR PARISH Eddy	
				13. STATE New Mexico	

16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF <input type="checkbox"/>	PCLL OR ALTER CASING <input type="checkbox"/>
FRACTURE TREAT <input type="checkbox"/>	MULTIPLE COMPLETE <input type="checkbox"/>
SHOOT OR ACIDIZE <input type="checkbox"/>	ABANDON* <input checked="" type="checkbox"/>
REPAIR WELL <input type="checkbox"/>	CHANGE PLANS <input type="checkbox"/>
(Other) <input type="checkbox"/>	

SUBSEQUENT REPORT OF:

WATER SHUT-OFF <input type="checkbox"/>	REPAIRING WELL <input type="checkbox"/>
FRACTURE TREATMENT <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
SHOOTING OR ACIDIZING <input type="checkbox"/>	ABANDONMENT* <input type="checkbox"/>
(Other) <input type="checkbox"/>	

(NOTE: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

8-8-84 Spud 12-1/4" hole @ 1130 hrs.

8-14-84 Set 34 jts. 8-5/8"/K55/24# csg. @ 1432'. Cement w/ 836 sx Pacesetter lite. Did not circ. to surface. Ran 1" to 440'. Cement w/ 300 sx ClC. Circ. to surface. WOC. 58 hrs. before drill out. Test casing to 1000 psi for 30 min. Held OK.

8-19-84 Set lost circ. plug @ 1750' w/ 300 sx ClH and @ 1640' w/ 200 sx ClC. Could not pull all of the drill pipe.

Fish in hole consists of 468' of drill pipe @ 1169 - 1638. Wash over fish. RU wireline. Fire two rattle shots @ 1355 - 1453 and 1255 - 1355. Rec. 2 jts. TOF @ 1233. Milling. Set plug @ 1183' - 1233' w/40 sx ClC and 0 - 50' w/ 40 sx ClC on 8-25-84. Will skid rig 15' NW to Mary Federal 3Y.

18. I hereby certify that the foregoing is true and correct

SIGNED

Melba Knippling

TITLE

Unit Head

DATE

9-11-84

(This space for Federal or State office use)

APPROVED BY

CONDITIONS OF APPROVAL, IF ANY:

TITLE

AREA MANAGER
CARLSBAD RESOURCE AREA

DATE

9-21-84

*See Instructions on Reverse Side

November 1983)
Formerly 9-331)

DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

(Other instructions on reverse side)

5. LEASE DESIGNATION AND SERIAL NO.

NM-0426782

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

--

7. UNIT AGREEMENT NAME

--

8. FARM OR LEASE NAME

Mary Federal

9. WELL NO.

3

10. FIELD AND POOL, OR WILDCAT

Wildcat - *Delaware*

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA

11-23S-25E

14. PERMIT NO.

30-015-24242

15. ELEVATIONS (Show whether DF, ST, GR, etc.)

3738.4' GR

12. COUNTY OR PARISH

Eddy

13. STATE

New Mexico

16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF

FRACTURE TREAT

SHOOT OR ACIDIZE

REPAIR WELL

(Other)

PULL OR ALTER CASING

MULTIPLE COMPLETION

ABANDON*

CHANGE PLANS

SUBSEQUENT REPORT OF:

WATER SHUT-OFF

FRACTURE TREATMENT

SHOOTING OR ACIDIZING

(Other)

REPAIRING WELL

ALTERING CASING

ABANDONMENT*

X

(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.) *

The above well was plugged and abandoned 8-25-84 as follows:

1183 - 1233' w/ 40 sx C1C

0 - 50' w/ 40 sx C1C

This well was plugged because of a fish consisting of 468' of drill pipe was stuck in the hole. The rig was skidded 15' NW to the Mary Federal #3Y.

TD-1891

*Post ID-2
9-28-84
p4A*

19. I hereby certify that the foregoing is true and correct

SIGNED

Melba Knippling

TITLE

Unit Head

DATE

9-11-84

(This space for Federal or State office use)

APPROVED BY

CONDITIONS OF APPROVAL, IF ANY:

TITLE

AREA MANAGER

GEOTHERMAL RESOURCE AREA

DATE

9-21-84

*See Instructions on Reverse Side

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

Operator Mineral Technologies Inc.
Well Mary Fed #5
Unit N Section 11 Township 23S Range 25E
API # 30-0 --

TOPS

Yates _____
T. Salt _____
B. Salt _____
Glorieta _____
Bone Sp. 4966'
Abo _____
Wolfcamp 8749'
Morrow _____
Devonian _____
Fusselman _____
Other T. Delaware 1400'

13 $\frac{3}{8}$ " 54.5# casing set @ 1613'

- w/ 2000 sxs cement, Circ.

9 $\frac{5}{8}$ " 40# casing set @ 2600'

w/ 775 sxs cement - Circ.

D. V. Tool
4792'

Perf. 9742' - 9852'

7" casing set @ 10,395'

w/ 1st stage 745 sxs cement

2nd stage 975 sxs - To.c. 2990' By Temp. Survey.

History

Well was spudded & Drilled 9/12/1985

Dear Dum used as Hole swipe -

Lost Circ. Plugs set @ 305-250', 250'-131'

Total 400 sxs cement.

Operator Exxon Corp.
Well Mary Fed. #31
Unit H Section 11 Township 23S Range 25E
API # 30-015-25046

TOPS

Yates _____
T. Salt _____
B. Salt _____
Glorieta _____
Bone Sp. _____
Abo _____
Wolfcamp _____
Morrow _____
Devonian _____
Fusselman _____
Other _____

8 5/8" 24 # casing set @ 1329'

w/ 800 sxs T.O.C. - 615'

1" to surface. Total 303 sxs cement.

D.V. tool
2814'

= Perfs 4783'-92'

5 1/2" 15.5 # casing set @ 5169'

1st stage 1850 sxs cement.

2nd stage 450 sxs cement. T.O.C. - 872' by Temp. Survey.

History

Well was spudded & Drilled. 8/29/1984.

Well was plugged 1/2/1985.

Operator Louis Dreyfus Natural Gas Corp.
Well Squaw Fed. #1
Unit F Section 12 Township 23-S Range 25-E
API # 30-015 - 20999

TOPS

Yates _____
T. Salt _____
B. Salt _____
Glorieta _____
Bone Sp. _____
Abo _____
Wolfcamp 8410'
Morrow 10579'
Devonian _____
Fusselman _____
Other _____

16" 65# Conductor set @ 100'

w/225 sxs cl. c.

circ.

9 5/8" 36# casing set @ 2660'

w/1000 sxs Howco Lite, 200 sxs cl. c.

T.o.c. 650' By Temp. Survey

1" to surface 5 stages 744' to surface.

Total 535 sxs. circ.

= 4830'-50' 3/99

= 10,138'-160'

= 11,203'-09' Morrow Perfs.

5 1/2" 20# casing set @ 11,460'

w/700 sxs cl. H. T.o.c. - 8200' by Temp. Survey.

History

Well was spudded + Drilled 10/31/1923'
C.T. 0-105' + Rotary to TD.

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

RECEIVED

SEP 02 1992

FORM APPROVED
Budget Bureau No. 1004-0135
Expires: September 30, 1990

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to deepen or reentry to a different reservoir.
Use "APPLICATION FOR PERMIT--" for such proposals

SUBMIT IN TRIPLICATE

1. Type of Well

☐ Oil Well ☒ Gas Well ☐ Other

2. Name of Operator

EXXON CORPORATION ATTN: REGULATORY AFFAIRS ✓

3. Address and Telephone No.

P. O. BOX 1600 MIDLAND, TX 79702 (915) 688-7532

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

SE4 NW4, 1980' FNL & 1980' FWL, SEC 12, T23S R25E

5. Lease Designation and Serial No.

NM-0453201

6. If Indian, Allottee or Tribe Name

7. If Unit or CA, Agreement Designation

8. Well Name and No.
SQUAW FEDERAL
1

9. API Well No.

3001520999

10. Field and Pool, or Exploratory Area

SHEEP DRAW STRAWN

11. County or Parish, State

EDDY NM

12. CHECK APPROPRIATE BOX(S) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION

- ☒ Notice of Intent
☐ Subsequent Report
☐ Final Abandonment Notice

TYPE OF ACTION

- ☐ Abandonment
☐ Recompletion
☐ Plugging Back
☐ Casing Repair
☐ Altering Casing
☒ Other
☐ Change of Plans
☐ New Construction
☐ Non-Routine Fracturing
☐ Water Shut-Off
☐ Conversion to Injection

CONTINUE WELL IN SI STATUS

(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)

WELL HAS BEEN SI SINCE JANUARY, 1992 BUT IS STILL CAPABLE OF PRODUCING IN PAYING QUANTITIES AND CAN BE RETURNED TO BENEFICIAL USE. IT IS REQUESTED THAT WELL REMAIN SI. JIM AMOS, CARLSBAD BLM, ADVISED THIS DATE THAT WE WOULD NOT HAVE TO COMPLY WITH BLM LETTER DATED 7-24-92 REQUIRING WELL TO BE TA. (COPY OF LETTER IS ATTACHED) THIS SN IS SUBMITTED TO CONFIRM MY DISCUSSION ON THE ABOVE WITH JIM AMOS AND TO AVOID THE ISSUANCE OF AN INCIDENT OF NONCOMPLIANCE.

APPROVED FOR 5 MONTH PERIOD

ENDING 12/31/92

RECEIVED
AUG 7 10 59 AM '92
CARLSBAD DISTRICT
AREA HEADQUARTERS

14. I hereby certify that the foregoing is true and correct

Signed

Alex M. Correa

Title

Alex M. Correa
Administrative Specialist

Date

08/05/92

(This space for Federal or State office use)

Approved by

Title

Date

8/20/92

Conditions of approval, if any:

N. M. Oil Cons. Division

811 S. 1ST ST.

ARTESIA, NM 88210-1584

Form 3160-5
(June 1990)UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENTFORM APPROVED
Budget Bureau No. 1004-0135
Expires: March 31, 1993

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to deepen or reentry to a different reservoir.
Use "APPLICATION FOR PERMIT—" for such proposals

SUBMIT IN TRIPLICATE

1. Type of Well

☐ Oil Well ☒ Gas Well ☐ Other

2. Name of Operator

Louis Dreyfus Natural Gas Corp.

3. Address and Telephone No.

14000 Quail Sprgs. Pkwy., Oklahoma City, OK 73134 (405) 749-1300

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

1980' FNL & 1980' FWL, Sec. 12, T-23-S, R-25-E

5. Lease Designation and Serial No.

NMNM 0453201

6. If Indian, Allottee or Tribe Name

7. If Unit or CA, Agreement Designation

8. Well Name and No.

Squaw Federal #1

9. API Well No.

30-015-20999

10. Field and Pool, or Exploratory Area

Sheep Draw Strawn

11. County or Parish, State

Eddy County, NM

12. CHECK APPROPRIATE BOX(S) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION

☐ Notice of Intent☐ Subsequent Report☐ Final Abandonment Notice

TYPE OF ACTION

☒ Abandonment☐ Recompletion☐ Plugging Back☐ Casing Repair☐ Altering Casing☐ Other☐ Change of Plans☐ New Construction☐ Non-Routine Fracturing☐ Water Shut-Off☐ Conversion to Injection☐ Dispose Water

(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

(1) Set 5-1/2" CIBP @9630', dumpbailer 4 sx cmt. 35' on 6-25-01.

(2) 6-25-01 Circulation w/ mud gel.

(3) 6-26-01 Cut 5-1/2" casing @ 8047', spot 35 sx cmt. from 8100' to 7950', WOC & tag @ 7942'.

(4) 6-27-01 Spot 35 sx cmt. from 6550' - 6400', no tag.

(5) 6-27-01 Spot 40 sx cmt. from 4810' - 4670', WOC & tag @ 4694'.

(6) 6-27-01 Spot 40 sx cmt. from 2710' - 2601', WOC & tag @ 2573'.

(7) 6-28-01 Spot 40 sx cmt. from 230' - 121', no tag.

(8) 6-28-01 Spot 20 sx cmt. from 50' to surface.

APPROVED

JUL 13 2001

GARY GOURLEY
PETROLEUM ENGINEERJUL 2001
RECEIVED
OCD - ARTESIA

14. I hereby certify that the foregoing is true and correct

Signed Gary Gourley Title AgentDate 06/29/01

(This space for Federal or State office use)

Approved by

Title

Date

Conditions of approval, if any:

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

*See Instruction on Reverse Side

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

NM CONS COMMISSION FORM APPROVED
Drawer DD
Artesia, NM
Budget Bureau No. 1004-0135
Expires: March 31, 1993

88212
NM 0453201

6. If Indian, Allottee or Tribe Name

7. If Unit or CA, Agreement Designation

8. Well Name and No.

Squaw Fed #1

9. API Well No.

30-015-20999

10. Field and Pool, or Exploratory Area

Sheep Draw Strawn

11. County or Parish, State

Eddy NM

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to deepen or reentry to a different reservoir.
Use "APPLICATION FOR PERMIT—" for such proposals

SUBMIT IN TRIPLICATE

1. Type of Well

☐ Oil Well ☒ Gas Well ☐ Other

2. Name of Operator

Louis Dreyfus Natural Gas, Corp.

3. Address and Telephone No. 14000 Quail Springs Pkwy., Suite 600

Oklahoma City, OK 73134

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

1980' FNL & 1980' FWL

Sec 12, T-23S, R-25E

12. CHECK APPROPRIATE BOX(s) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION

- ☐ Notice of Intent
☐ Subsequent Report
☐ Final Abandonment Notice

TYPE OF ACTION

- ☐ Abandonment
☐ Recompletion
☐ Plugging Back
☐ Casing Repair
☐ Altering Casing
☒ Other H2S Report
☐ Change of Plans
☐ New Construction
☐ Non-Routine Fracturing
☐ Water Shut-Off
☐ Conversion to Injection
☐ Dispose Water

(Note: Report results of multiple completion on well Completion or Recompletion Report and Log for)

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally gr., give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)

In compliance with Onshore Order No 6
This well produces no Hydrogen Sulfide

14. I hereby certify that the foregoing is true and correct

Signed

Donny W. Sullivan

Title Environmental & Safety Director

Date 2-2-95

(This space for Federal or State office use)

Approved by

Conditions of approval, if any:

Title

Date

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statement or representations as to any matter within its jurisdiction.

*See Instruction on Reverse Side

BR

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

RECEIVED

027 - 9 1992

FORM APPROVED
Budget Bureau No. 1004-0135
Expires: September 30, 1990

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to deepen or reentry to a different reservoir.
Use "APPLICATION FOR PERMIT--" for such proposals

SUBMIT IN TRIPLICATE

1. Type of Well

☐ Oil Well ☒ Gas Well ☐ Other

2. Name of Operator

EXXON CORPORATION ATTN: REGULATORY AFFAIRS

3. Address and Telephone No.

P. O. BOX 1600 MIDLAND, TX 79702 (915) 688-7532

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

SE4 NW4, 1980' FNL & 1980' FWL, SEC 12, T23S R25E

5. Lease Designation and Serial No.

NM 0453201

6. If Indian, Allottee or Tribe Name

7. If Unit or CA, Agreement Designation

8. Well Name and No.

SQUAM FEDERAL
1

9. API Well No.

3001520999

10. Field and Pool, or Exploratory Area

SHEEP DRAW STRAWN

11. County or Parish, State

EDDY NM

12. CHECK APPROPRIATE BOX(S) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION

- ☒ Notice of Intent
☐ Subsequent Report
☐ Final Abandonment Notice

TYPE OF ACTION

- ☐ Abandonment
☐ Recompletion
☐ Plugging Back
☐ Casing Repair
☐ Altering Casing
☒ Other
- ☐ Change of Plans
☐ New Construction
☐ Non-Routine Fracturing
☐ Water Shut-Off
☐ Conversion to Injection

CONTINUE WELL IN SI STATUS

(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is shut in, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)

PROVIDE ADDITIONAL INFO. AS REQUESTED BY DUNCAN WHITLOCK ON 8-31-92.
PROVIDING THIS INFO. SHOULD CAUSE THE INCIDENCE OF NONCOMPLIANCE TO BE
WITHDRAWN.

THIS WELL IS SHUTIN DUE TO HIGH H2S CONTENT. (SI IN JAN., 1992)
THIS WELL IS CAPABLE OF PRODUCING IN PAYING QUANTITIES AND IS EXPECTED
TO BE RETURNED TO PRODUCTION BEFORE THE END OF 1992.
WE BELIEVE THE MECHANICAL INTEGRITY OF THE WELL TO BE AS GOOD AS WHEN
IT WAS SI.
WE DISCUSSED N.M. RULE 201-B-3 AS THE BASIS TO REQUEST THAT THIS WELL
BE ALLOWED TO BE SI AND THAT THE INCIDENCE OF NONCOMPLIANCE BE
WITHDRAWN.

SI/TA STATUS APPROVED

ON 8/28/92 (SEE SUNDRY DATED 8/5/92).
AR

14. I hereby certify that the foregoing is true and correct

Signed

Alex M. Correa

Title

Administrative Specialist

Date

09/04/92

(This space for Federal or State office use)

Approved by

71002

Title

Date

Conditions of approval, if any:

Form 9-331
(May 1963)UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEYSUBMIT IN TRIPLICATE*
(Other instructions on reverse side)Form approved.
Budget Bureau No. 42-R1424.

5. LEASE DESIGNATION AND SERIAL NO.

NM-0453201

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME

Squaw

9. WELL NO.

1

10. FIELD AND POOL, OR WILDCAT

Undesignated

11. SEC., T., R., M., OR BLK. AND
SURVEY OR AREA

12-23S-25E

12. COUNTY OR PARISH

Eddy

13. STATE

N.M.

1. OIL WELL ☐ GAS WELL ☒ OTHER

2. NAME OF OPERATOR

Hanagan Petroleum Corporation

NOV 30 1973

3. ADDRESS OF OPERATOR

P. O. Box 1737, Roswell, New Mexico 88201 D. C. C.

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements. See also space 17 below.)
At surface

1980' FNL & FWL

14. PERMIT NO.

15. ELEVATIONS (Show whether DF, RT, GR, etc.)

3540' KB

16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF

FRACTURE TREAT

SHOOT OR ACIDIZE

REPAIR WELL

(Other)

PULL OR ALTER CASING

MULTIPLE COMPLETE

ABANDON*

CHANGE PLANS

SUBSEQUENT REPORT OF:

WATER SHUT-OFF

FRACTURE TREATMENT

SHOOTING OR ACIDIZING

(Other)

Spud

REPAIRING WELL

ALTERING CASING

ABANDONMENT*

(NOTE: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

10/31/73: Moved in cable tools, spud @ 12:00 PM.

11/14/73: TD 105', moved in rotary rig, began drlg. operations w/rotary @ 11:15

11/17/73: TD 425' lm., reamed out 20" hole 0 to 100', drld. 14-3/4" hole from 10 to 425', no loss circulation to this point, ran 3jts. 16" ST&C 65# csg. (meas. 110') set @ 100' & cem. w/225 sx Class C 2% CaCl, plug down 6:30 AM 11/17/73, cmt. circ. w/75 sx. excess, 1.32 slurry vol. cu. ft./sx. 750 temp. when slurry mixed, est. fm. temp. 750, compressive strength 565#, tested csg. 500#/30", no press. drop, drld. plug 6:30 PM 11/17/73, WOC 12 hrs.

11/20/73: TD 2660' sd. & lm (14-3/4" & 12-1/4" hole), Ran 59 jts. 9-5/8" K55 ST&C 36# csg. set @ 2660' & cmt. w/1000 sx. Howco Light 5# gilsonite, 1/4# flocl 2 CaCl + 200 sx. Class C 1/4# flocl 2% CaCl, plug down 12:45 AM 11/21/73, did no circ. Ran temp. survey T/cmt. 650', w/1" tbg. tag top cmt. @ 744' and circ. cm as follows, all cmt. used Class C 4%CaCl:

1st batch @ 744' w/25 sx (32' fill), 2nd @ 712' w/100 sx (128' fill), 3rd @ 584 w/100 sx (143' fill), 4th @ 441' w/100 sx (160' fill), 5th @ 281' w/210 sx. (circ. est 60 sx. excess) cmt. circ., job completed @ 8:00 PM (11/21/73). Pres up csg. 1500#/30", no press. drop. Began making new hole @ 11:30 AM 11/22/73.

RECEIVED

NOV 28 1973

18. I hereby certify that the foregoing is true and correct

SIGNED

Hugh E. Hanagan

TITLE

Vice President

DATE

11/27/73

(This space for Federal or State office use)

APPROVED BY

CONDITIONS OF APPROVAL, IF ANY:

TITLE

DATE

*See Instructions on Reverse Side

N. M. Oil Cons. Division

811 S. 1ST ST.

ARTESIA, NM 88210-2834

Form 3160-5
(June 1990)UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENTFORM APPROVED
Budget Bureau No. 1004-0135
Expires: March 31, 1993

5. Lease Designation and Serial No.

NMNM 0453201

6. If Indian, Allottee or Tribe Name

7. If Unit or CA, Agreement Designation

8. Well Name and No.

Squaw Federal #1

9. API Well No.

30-015-20999

10. Field and Pool, or Exploratory Area

Sheep Draw Strawn

11. County or Parish, State

Eddy County, NM

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to deepen or reentry to a different reservoir.
Use "APPLICATION FOR PERMIT—" for such proposals

SUBMIT IN TRIPLICATE

1. Type of Well

☐ Oil Well ☒ Gas Well ☐ Other

2. Name of Operator

Louis Dreyfus Natural Gas Corp.

3. Address and Telephone No.

14000 Quail Sprgs. Pkwy., Oklahoma City, OK 73134 (405) 749-1300

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

1980' FNL & 1980' FWL, Sec. 12, T-23-S, R-25-E

12. CHECK APPROPRIATE BOX(s) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION

☐ Notice of Intent☐ Subsequent Report☐ Final Abandonment Notice

TYPE OF ACTION

☒ Abandonment☐ Recompletion☐ Plugging Back☐ Casing Repair☐ Altering Casing☐ Other☐ Change of Plans☐ New Construction☐ Non-Routine Fracturing☐ Water Shut-Off☐ Conversion to Injection☐ Dispose Water

(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)

(1) Set 5-1/2" CIBP @9630', dumpbailer 4 sx cmt. 35' on 6-25-01.

(2) 6-25-01 Circulation w/ mud gel.

(3) 6-26-01 Cut 5-1/2" casing @ 8047', spot 35 sx cmt. from 8100' to 7950', WOC & tag @ 7942'.

(4) 6-27-01 Spot 35 sx cmt. from 6550' - 6400', no tag.

(5) 6-27-01 Spot 40 sx cmt. from 4810' - 4670', WOC & tag @ 4694'.

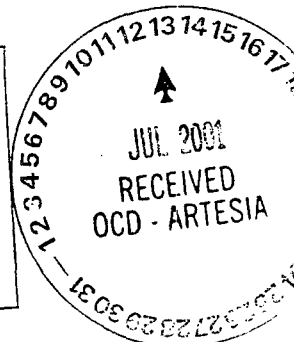
(6) 6-27-01 Spot 40 sx cmt. from 2710' - 2601', WOC & tag @ 2573'.

(7) 6-28-01 Spot 40 sx cmt. from 230' - 121', no tag.

(8) 6-28-01 Spot 20 sx cmt. from 50' to surface.

APPROVED

JUL 13 2001

GARY GOURLEY
PETROLEUM ENGINEER

14. I hereby certify that the foregoing is true and correct

Signed

Title Agent

Date 06/29/01

(This space for Federal or State office use)

Approved by

Title

Date

Conditions of approval, if any:

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

*See Instruction on Reverse Side

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

RECEIVED
OCT - 9 1992

FORM APPROVED
Budget Bureau No. 1004-0135
Expires: September 30, 1990

SUNDRY NOTICES AND REPORTS ON WELLS

O. C. D.
ARTERIA

Do not use this form for proposals to drill or to deepen or reentry to a different reservoir.
Use "APPLICATION FOR PERMIT--" for such proposals

SUBMIT IN TRIPLICATE

1. Type of Well

☐ Oil Well ☒ Gas Well ☐ Other

2. Name of Operator

EXXON CORPORATION ATTN: REGULATORY AFFAIRS

3. Address and Telephone No.

P. O. BOX 1600 MIDLAND, TX 79702 (915) 688-7532

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

SE4 NW4, 1980' FNL & 1980' FWL, SEC 12, T23S R25E

5. Lease Designation and Serial No.

NM 0453201

6. If Indian, Allottee or Tribe Name

7. If Unit or CA, Agreement Designation

8. Well Name and No.

SQUAM FEDERAL
1

9. API Well No.

3001520999

10. Field and Pool, or Exploratory Area

SHEEP DRAW STRAWN

11. County or Parish, State

EDDY NM

12. CHECK APPROPRIATE BOX(S) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION

- ☒ Notice of Intent
☐ Subsequent Report
☐ Final Abandonment Notice

TYPE OF ACTION

- ☐ Abandonment
☐ Recompletion
☐ Plugging Back
☐ Casing Repair
☐ Altering Casing
☒ Other

- ☐ Change of Plans
☐ New Construction
☐ Non-Routine Fracturing
☐ Water Shut-Off
☐ Conversion to Injection

CONTINUE WELL IN SI STATUS

(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

PROVIDE ADDITIONAL INFO. AS REQUESTED BY DUNCAN WHITLOCK ON 8-31-92.
PROVIDING THIS INFO. SHOULD CAUSE THE INCIDENCE OF NONCOMPLIANCE TO BE WITHDRAWN.

THIS WELL IS SHUTIN DUE TO HIGH H2S CONTENT. (SI IN JAN., 1992)
THIS WELL IS CAPABLE OF PRODUCING IN PAYING QUANTITIES AND IS EXPECTED TO BE RETURNED TO PRODUCTION BEFORE THE END OF 1992.
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WE DISCUSSED N.M. RULE 201-B-3 AS THE BASIS TO REQUEST THAT THIS WELL BE ALLOWED TO BE SI AND THAT THE INCIDENCE OF NONCOMPLIANCE BE WITHDRAWN.

SI/TA STATUS APPROVED
ON 8/28/92 (SEE SUNDRY DATED 8/5/92).
AR

14. I hereby certify that the foregoing is true and correct.

Signed

Alex M. Correa

Title

Administrative Specialist

Date

09/04/92

(This space for Federal or State office use)

Approved by

OCT

7 1992

Title

Date

Conditions of approval, if any:

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEYSUBMIT IN THE "ARTESIA"
(Other instructions on re-
verse side)Form approved.
Budget Bureau No. 42-R1424.

5. LEASE DESIGNATION AND SERIAL NO.

NM-0453201

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME

Squaw

9. WELL NO.

1

10. FIELD AND POOL, OR WILDCAT

Undesignated

11. SEC. T. R. M. OR BLK. AND
SURVEY OR AREA

12-23S-25E

12. COUNTY OR PARISH

Eddy

13. STATE

N.M.

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—" for such proposals.)1. OIL ☐ WELL GAS ☒ WELL OTHER ☐

2. NAME OF OPERATOR

Hanagan Petroleum Corporation

3. ADDRESS OF OPERATOR

P. O. Box 1737, Roswell, New Mexico 88201 O. C. C.

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.
See also space 17 below.)
At surface

1980' FNL & FWL

14. PERMIT NO.

15. ELEVATIONS (Show whether DF, RT, GR, etc.)

3540' KB

16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF

FRACTURE TREAT

SHOOT OR ACIDIZE

REPAIR WELL

(Other)

PULL OR ALTER CASING

MULTIPLE COMPLETE

ABANDON*

CHANGE PLANS

SUBSEQUENT REPORT ON:

WATER SHUT-OFF

FRACTURE TREATMENT

SHOOTING OR ACIDIZING

(Other)

☒

REPAIRING WELL

ALTERING CASING

ABANDONMENT*

Spud

(Note: Report results of multiple completion on Well
Completion or Recompletion Report and Log form.)17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any
proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones perti-
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10/31/73: Moved in cable tools, spud @ 12:00 PM.

11/14/73: TD 105', moved in rotary rig, began drlg. operations w/rotary @ 11:15

11/17/73: TD 425' lm., reamed out 20" hole 0 to 100', drld. 14-3/4" hole from 10
to 425', no loss circulation to this point, ran 3jts. 16" ST&C 65# csg. (meas.
110') set @ 100' & cem. w/225 sx Class C 2% CaCl, plug down 6:30 AM 11/17/73,
cmt. circ. w/75 sx. excess, 1.32 slurry vol. cu. ft./sx. 750 temp. when slurry
mixed, est. fm. temp. 750, compressive strength 565#, tested csg. 500#/30", no
press. drop, drld. plug 6:30 PM 11/17/73, WOC 12 hrs.11/20/73: TD 2660' sd. & lm (14-3/4" & 12-1/4" hole), Ran 59 jts. 9-5/8" K55 ST&
36# csg. set @ 2660' & cmt. w/1000 sx. Howco Light 5# gilsonite, 1/4# flocel 2
CaCl + 200 sx. Class C 1/4# flocel 2% CaCl, plug down 12:45 AM 11/21/73, did no
circ. Ran temp. survey T/cmt. 650', w/1" tbg. tag top cmt. @ 744' and circ. cm
as follows, all cmt. used Class C 4%CaCl:1st batch @ 744' w/25 sx (32' fill), 2nd @ 712' w/100 sx (128' fill), 3rd @ 584'
w/100 sx (143' fill), 4th @ 441' w/100 sx (160' fill), 5th @ 281' w/210 sx
(circ. est 60 sx. excess) cmt. circ., job completed @ 8:00 PM (11/21/73). Pres
up csg. 1500#/30", no press. drop. Began making new hole @ 11:30 AM 11/22/73.

RECEIVED

NOV 28 1973

18. I hereby certify that the foregoing is true and correct

SIGNED

Hugh E. Hanagan

TITLE

Vice President

DATE

11/27/73

(This space for Federal or State office use.)

APPROVED BY
CONDITIONS OF APPROVAL, IF ANY:

TITLE

DATE

11/27/73

APPROVED BY
NOV 29 1973
H. L. BEEKMAN
ACTING DISTRICT ENGINEER

*See Instructions on Reverse Side

OIL CONSERVATION DIVISION

P. O. BOX 2088

SANTA FE, NEW MEXICO 87501

RECEIVED Bureau of Revises 10-1-78

SEP 21 1984

O. C. D.
ARTESIA, OFFICE

REQUEST FOR ALLOWABLE
AND

AUTHORIZATION TO TRANSPORT OIL AND NATURAL GAS

I.

Operator		Exxon Corporation	
Address		Box 1600, Midland, Texas 79702	
Reason(s) for filing (Check proper box)			
New Well	<input type="checkbox"/>	Change in Transporter of:	
Recompletion	<input checked="" type="checkbox"/>	Oil	<input type="checkbox"/>
Change in Ownership	<input type="checkbox"/>	Casinghead Gas	<input type="checkbox"/>
		Dry Gas	<input type="checkbox"/>
		Condensate	<input type="checkbox"/>
		Other (Please explain) PLUG BACK - RECOMPLETE IN STRAWN 10, 138-10160.	

If change of ownership give name
and address of previous owner

II. DESCRIPTION OF WELL AND LEASE

Lease Name	Well No.	Pool Name, including Formation	Kind of Lease	Lease
SDV LAW FEDERAL	1	UNDESIGNATED SOUTH CARLSBAD STRAWN	NM	0453201
Location				
Unit Letter	F	1980 Feet From The NORTH Line and	1980 Feet From The WEST	
Line of Section	12	Township	23-S	Range
			25-E	NMPM, EDDY

III. DESIGNATION OF TRANSPORTER OF OIL AND NATURAL GAS

Name of Authorized Transporter of Oil	<input type="checkbox"/>	or Condensate	<input checked="" type="checkbox"/>	Address (Give address to which approved copy of this form is to be sent)
NAVAJO CRUDE OIL PURCHASING CO.				P.O. Box 159, Artesia, NM 88210
Name of Authorized Transporter of Casinghead Gas	<input type="checkbox"/>	or Dry Gas	<input type="checkbox"/>	Address (Give address to which approved copy of this form is to be sent)
TRANSWESTERN PIPE LINE CO.				P.O. Box 2521, Houston, Texas 77001
If well produces oil or liquids, give location of tanks.	Unit	Sec.	Twp.	Rge.
	F	12	23-S	25-E
				Is gas actually connected?
				YES
				When
				8-24-84

If this production is commingled with that from any other lease or pool, give commingling order number:

IV. COMPLETION DATA

Designate Type of Completion - (X)	Oil Well	Gas Well	New Well	Workover	Deepen	Plug Back	Same Res'v.	Diff. R
		<input checked="" type="checkbox"/>				<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>
Date Spudded	Date Compl. Ready to Prod.	Total Depth	P.B.T.D.					
10-31-73	8-31-84	11460	10350					
Elevations (DF, RKB, RT, GR, etc.)	Name of Producing Formation	Top Oil/Gas Pay	Tubing Depth					
3524 GR	STRAWN	10138	10003					
Perforations	Depth Casing Shoe							
10138-10160								

TUBING, CASING, AND CEMENTING RECORD

HOLE SIZE	CASING & TUBING SIZE	DEPTH SET	SACKS CEMENT
20	16" 165'	100	225
14 3/4, 12 1/4	9 5/8 36'	2660	1735
8 1/2	5 1/2 17-20'	11460	700
	2 3/8" TBL	10003	

V. TEST DATA AND REQUEST FOR ALLOWABLE
OIL WELL

(Test must be after recovery of total volume of load oil and must be equal to or exceed top oil able for this depth or be for full 24 hours)

Date First New Oil Run To Tanks	Date of Test	Producing Method (Flow, pump, gas lift, etc.)	
Length of Test	Tubing Pressure	Casing Pressure	Choke Size
Actual Prod. During Test	Oil - Bbls.	Water - Bbls.	Gas - MCF

GAS WELL SEE BACK

Actual Prod. Test - MCF/D	Length of Test	Bbls. Condensate/MMCF	Gravity of Condensate
1260			

Post ID-2
9-24-84
Comp. STRAWN

Operator Turner & DeVito

Well DeVito #1

Unit 0 Section 12 Township 23-S Range 25-E

API # 30-015 - 00136

TOPS

Yates

T. Salt

B. Salt

Glorieta

Bone Sp.

Abo

Wolfcamp

Morrow

Devonian

Fusselman

Other

10" casing set @ 451'

w/ 5 sacks cement

Pos. cut & pulled.

650.
← Hole Full of SUL. Water. 755' - 880'.
+ SALT WATER.

7" casing set @ 1533' mudded.

T.D. - 1758'

WIDD CAT

9-A

Company **Turner and De Vito**

Farm Name De Vito Well No. 1

Land Classification Government

Sec. 12 Twp. 23 Range 25 County Eddy

Feet from Line: 16 N. 330 S. 1650 E. W.Elevation _____ Method *ML*

Contractor _____ Scout _____

Spudded 10-18-07 Completed 12-10-07 Initial Production

Bond Status

ACID RECORD

Gals.

TA	
TS	
BS	
TBS	533
TBL	
TWL	

Top Pay	TD	TWL
---------	----	-----

SHOOTING RECORD

No. of Quarts	Shot at	Feet
1	100	100
2	200	200
3	300	300
4	400	400
5	500	500
6	600	600
7	700	700
8	800	800
9	900	900
10	1000	1000

No. of Quarts	Shot at	Feet
---------------	---------	------

S/O 1100-05 G S/O S/O

S/O S/O S/O

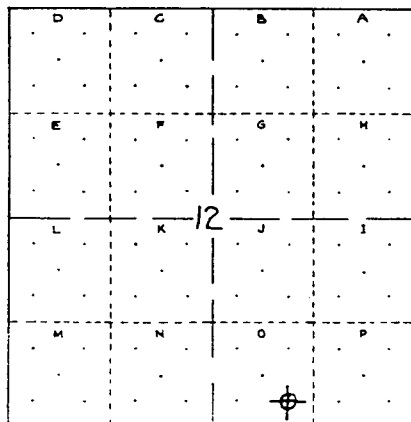
DATE		DATE	
10-9-40	RUM		
10-15	Q-175-G		
10-29	Q-890-G		
	1 Blr Sul W PH-755-60-G44		
	W - 840-45-G44		
	H.F. Sul W @ 880-A		
11-6	Q 1168 S		
11-13	Q 1330 L		
11-20	T.D. 15-30 L		
	Range @ 1430		
	HFW 1456-58 Sul		
11-26	T.D. 1590 S		
	50 Repair		
12-4	T.D. 1640 L		
	50 Repair		
	400 Sul W 19 hrs		
	1642-47 Sand		
12-11	T.D. 1758 S		
	T-4		
	1200 SWN 1 H		

DAY 20 LOG

Depth		Formation		Depth		Formation		Depth		Formation	
260	G	SS	Range	260	SS	SS	Range				
385	G & A	SS	Range	385	SS	SS	Range				
411	G	SS	Range	411	SS	SS	Range				
430	A & G	SS	Range	430	SS	SS	Range				
755	A	SS	Range	755	SS	SS	Range				
850	G	SS	Range	850	SS	SS	Range				
880	V A	SS	Range	880	SS	SS	Range				

T. 23 S. R. 25 Sec. 12
330 fr SL ; 1650 fr EL Unit 0

SAMPLE LOG 0 TO 1755 PLOTTED



CASING RECORD

SIZE	DEPTH	CEMENT

OPERATOR TURNER, FRED

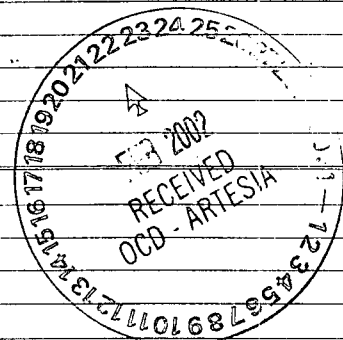
LEASE DeVito (Federal) WELL NO. 1
Spud Comp. T. D.
Tools Cable
I. P. ABANDONED After

Producing Zone:

DRILL STEM TESTS

DATE	FROM — TO	OPEN	RESULTS

Shows: HF Sol Wtr (Castile) 840
WTR 1450-59 (Lamar)
" 1640-47 (Del sd)



ELEVATION BY L-S 3446

GEOLOGICAL RECORD

FORMATION	DEPTH	DATUM	INFO.	FORMATION	DEPTH	DATUM	INFO.
Top Rustler				Top Pennsylvanian (Cisco)			
Base Rustler Lime				Top Canyon			
Top Salt	None		SL	Top Strawn			
Base Salt	"		SL	Top Bond (Atoka)			
Top Tansil				Top Mississippian (Chester)			
Top Yates				Top Miss. Lime			
Base 2nd Yates Sand				Top Devonian (Woodford)			
Top Seven Rivers (Capitan)				Top Devonian Lime			
Base Anhydrite				Top Silurian (Fusselman)			
Top Queen				Top Ordovician (Montoya)			
Top Penrose				Top Simpson			
Top Grayburg				Top Ellenburger			
Top San Andreas				Top Cambrian (Bliss)			
Top Glorietta				Top Pre-Cambrian			
Top Yeso							
Top Drinkard Zone				INTV'L. T.A. — B.R.L.			
Top Fullerton Zone				B.R.L. — B.S.			
Top Abo				T.A. — B.S. (Salado)			
Top Wolfcamp (Hueco)				B.S. — T.T. (Fletcher)			
Top Bursum				T.T. — T.Y. (Tansil)			
DELAWARE BASIN				T.Y. — T.S.R.L. (Yates)			
Top Lamar	1078	+2368	SL	B.S. — B.A. (Gradational)			
Top Del. Sand	1528	+1918	SL	B.S. — T.D.L. (Castile)			
Top Bone Springs				T.D.L. — T.D.S. (Lamar)		450	SL
				T.D.S. — T.B.S.L. (Delaware)			
				T.D.L. - Fluids (wtr)		562	SL-op

**UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY
CONSERVATION DIVISION**

INDIVIDUAL WELL RECORD

Sec. 22
T. 22N
R. 22E
S. E. P. Map
Ref. No. 2

PUBLIC LAND:

Land office Las Cruces State New Mexico
Serial No. 457075 County Elddy
Permitter DeTito Field Dark Canyon
Operator Turner and DeTito District Donnell
Well No. 1 Subdivision SE Cor. SE X SE X SE
Location 230 feet from N. S. line and 1650 feet from E. N. line of N X S
Drilling approved Oct. 11 1940 Well elevation 3446 (120) feet
Drilling commenced Oct. 15 1940 Total depth 1725 feet
Drilling ceased Dec. 9 1940 Initial production None
Plugged and abandoned March 5 1941 Gravity A. P. I.
Abandonment approved 19 Initial R. P.

Geologic Formations

Productive Horizons

Surface Lowest tested Name Depth Contents

Tertiary Permian

WELL STATUS

YEAR	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT.	OCT.	NOV	DEC.
1940										Drg	Drg	Drg
1941	Drg	Drg	PBA									

REMARKS Water found at 877-40', 1156-52' and 1645-47'.

This sheet is review and previously submitted.

Revised Page

Page	123	10
Page	123	10
Page	123	10

Operator Exxon Corp.Well Squaw Fed. #2Unit G Section 13 Township 23-S Range 25-EAPI # 30-015 -- 24701

Yates _____

T. Salt _____

B. Salt _____

Glorieta _____

Bone Sp. _____

Abo _____

Wolfcamp _____

Morrow _____

Devonian _____

Fusselman _____

Other _____

8 5/8" 24 # casing set @ 1325'
w/1250 sxs cement.
circ.

History

Well was spudded & Drilled 12/22/1983

Rotary.

Well is P & A. 12/4/91.

D.V. tool ☒

3020'

= Perfs 4732'-74'. Delaware.

5 1/2" 17 # casing set @ 5172'

1st stage 550 sxs cement

2nd stage 900 sxs cement T.O.C. - 1050' by Temp. Survey.

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

RECEIVED
DEC 20 1991
O. C. D.
ARTESIA OFFICE

FORM APPROVED
Budget Bureau No. 1004-0135
Expires: September 30, 1990

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to deepen or reentry to a different reservoir.
Use "APPLICATION FOR PERMIT--" for such proposals

SUBMIT IN TRIPLICATE

1. Type of Well

☒ Oil Well ☐ Gas Well ☐ Other

2. Name of Operator

EXXON CORPORATION ATTN: REGULATORY AFFAIRS

3. Address and Telephone No.

P. O. BOX 1600 MIDLAND, TX 79702 (915) 688-7546

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

2310' FNL AND 2240' FEL SECTION 13, T23S, R25E
W. G

5. Lease Designation and Serial No.

NM-0453201

6. If Indian, Allottee or Tribe Name

7. If Unit or CA, Agreement Designation

8. Well Name and No.

SQUAW FEDERAL
2

9. API Well No.

3001524701

10. Field and Pool, or Exploratory Area

W. D. Ark Canyon Rebur
DELAWARE CANYON

11. County or Parish, State

EDDY

NM

12. CHECK APPROPRIATE BOX(S) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION

- ☐ Notice of Intent
☒ Subsequent Report
☐ Final Abandonment Notice

TYPE OF ACTION

- ☒ Abandonment
☐ Recompletion
☐ Plugging Back
☐ Casing Repair
☐ Altering Casing
☐ Other
☐ Change of Plans
☐ New Construction
☐ Non-Routine Fracturing
☐ Water Shut-Off
☐ Conversion to Injection

(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)

12-2-91 8:00 AM - NOTIFIED BLM THAT PLUGGING OPERATIONS WOULD BEGIN.
12-3-91 TAGGED CIBP AT 4620'. PLUG 1 - 25 SX CEMENT PLUG FROM 4362 - 4616'. DISPLACED CSG W/10# BRINE GEL.
PLUG 2 - 25 SX CEMENT PLUG FROM 2827 - 3080'.
PLUG 3 - 25 SX CEMENT PLUG FROM 1122 - 1375'. DISPLACED CSG W/10# BRINE GEL.
PLUG 4 - 10 SX CEMENT PLUG FROM 100' - SURFACE.
ALL PLUGS - CLASS C NEAT.
12-4-91 CUT OFF WELLHEAD. CIRCULATED 15 SX CL C NEAT 100' TO SURFACE IN 5-1/2 X 8-5/8 ANNULUS. WELDED ON DRY HOLE MARKER. CLEANED LOCATION.

Approved by _____
List of operations completed and
surface restoration is completed.

Post ID-2
1-10-92
P4A

14. I hereby certify that the foregoing is true and correct

Signed

Judy Bagwell

Title

Judy Bagwell
Sr Staff Office Assistant

Date

12/10/91

(This space for Federal or State office use)

Approved by

Title

Date

12-20-91

Conditions of approval, if any:

RECEIVED Form 9-331
Dec. 1973

MAR 29 1985

O. C. D.
ARTESIA OFFICE

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

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 Form 9-331-C for such proposals.)

1. oil well ☒ gas well ☐ other ☐
2. NAME OF OPERATOR
Exxon Corporation ✓
3. ADDRESS OF OPERATOR
P.O. Box 1600, Midland, Texas 79702
4. LOCATION OF WELL (REPORT LOCATION CLEARLY. See space 17 below.)
2310' FNL & 2240' FEL of Section
AT SURFACE:
AT TOP PROD. INTERVAL:
AT TOTAL DEPTH:

16. CHECK APPROPRIATE BOX TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

REQUEST FOR APPROVAL TO:

TEST WATER SHUT-OFF ☐
FRACTURE TREAT ☐
SHOOT OR ACIDIZE ☐
REPAIR WELL ☐
PULL OR ALTER CASING ☐
MULTIPLE COMPLETE ☐
CHANGE ZONES ☐
ABANDON* ☐

(other) Status Report

SUBSEQUENT REPORT OF:

☐
☐
☐
☐
☐
☐
☐
☐

EXPIRED

5. LEASE
NM-0453201
6. IF INDIAN, ALLOTTEE OR TRIBE NAME
--
7. UNIT AGREEMENT NAME
--
8. FARM OR LEASE NAME
Squaw Federal
9. WELL NO.
2
10. FIELD OR WILDCAT NAME
Wildcat
11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA
Sec 13-23S-25E
12. COUNTY OR PARISH
Eddy
13. STATE
New Mexico
14. API NO.
15. ELEVATIONS (SHOW DF, KDB, AND WD)
3482' GR

(NOTE: Report results of multiple completion or zone change on Form 9-330.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

1-11-84 Perf 5 1/2" csg @ 4732-4774 w/52 shots.
1-12-84 Acdz w/2000 gals 15% HCl.
1-17-84 Frac w/32,000 gals 75% foam, 18,000# 20-40 sand, 16,000# 10-20 sand. Testing.

Subsurface Safety Valve: Manu. and Type _____ Set @ _____ Ft.

18. I hereby certify that the foregoing is true and correct

SIGNED Melba Knipling TITLE Unit Head DATE January 24, 1984

(This space for Federal or State office use)

APPROVED BY _____
CONDITIONS OF APPROVAL ANY

TITLE _____ DATE _____

MAR 22 1985

[Signature]

NEW MEXICO

*See Instructions on Reverse Side

RECEIVED
JUN 26 10 31 AM '84
NATIONAL INDIAN
ROCKY MOUNTAIN

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEYDrawer DD
Artesia, NM

RECEIVED

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 Form 9-331-C for such proposals.)

1. oil well ☒ gas well ☐ other ☐

2. NAME OF OPERATOR

Exxon Corporation

3. ADDRESS OF OPERATOR

P.O. Box 1600, Midland, Texas 79702

4. LOCATION OF WELL (REPORT LOCATION CLEARLY. See space 17 below.) 2310' FNL & 2240' FEL of Sec.

AT SURFACE:

AT TOP PROD. INTERVAL:

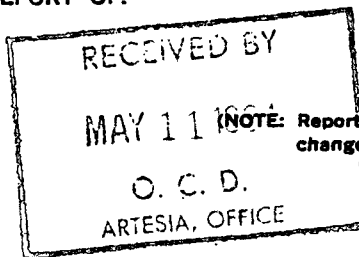
AT TOTAL DEPTH:

16. CHECK APPROPRIATE BOX TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

REQUEST FOR APPROVAL TO:

TEST WATER SHUT-OFF ☐FRACTURE TREAT ☐SHOOT OR ACIDIZE ☐REPAIR WELL ☐PULL OR ALTER CASING ☐MULTIPLE COMPLETE ☐CHANGE ZONES ☐ABANDON* ☐(other) Set casing

SUBSEQUENT REPORT OF:



(NOTE: Report results of multiple completion or zone change on Form 9-330.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

1-7-84 Ran 5 1/2" 17# K-55 csg., set @ 5172'. DV tool @ 3020'. Cement 1st stage w/550 sx Class C & 2nd stage w/900 sx Class C. 1st stage circ., 2nd stage did not circ. Ran Temp. survey - TOC 1050'. Surface csg. set @ 1326'. WOC, csg. to be tested before completion begins.

Subsurface Safety Valve: Manu. and Type _____ Set @ _____ Ft.

18. I hereby certify that the foregoing is true and correct

SIGNED Melba Snippling TITLE Unit Head DATE January 17, 1984

ACCEPTED FOR RECORD

(This space for Federal or State office use)

APPROVED BY [Signature] TITLE _____ DATE _____CONDITIONS OF APPROVAL IF ANY
MAY 9 1984

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEYNM OIL CONS. COMMISSION
Drawer DD
Artesia, NM 88210
NM-0453201RECEIVED
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 Form 9-331-C for such proposals.)

1. oil well <input checked="" type="checkbox"/> gas well <input type="checkbox"/> other <input type="checkbox"/>	SURVEYED BY ROSWELL DISTRICT JAN 12 1984
2. NAME OF OPERATOR Exxon Corporation	
3. ADDRESS OF OPERATOR P.O. Box 1600, Midland, Texas 79702	OFFICE
4. LOCATION OF WELL (REPORT LOCATION CLEARLY. See space 17 below.) 2310' FNL & 2240' FEL of Section AT SURFACE: AT TOP PROD. INTERVAL: AT TOTAL DEPTH:	
16. CHECK APPROPRIATE BOX TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA	

REQUEST FOR APPROVAL TO:	SUBSEQUENT REPORT OF:
TEST WATER SHUT-OFF <input type="checkbox"/>	<input type="checkbox"/>
FRACTURE TREAT <input type="checkbox"/>	<input type="checkbox"/>
SHOOT OR ACIDIZE <input type="checkbox"/>	<input type="checkbox"/>
REPAIR WELL <input type="checkbox"/>	<input type="checkbox"/>
PULL OR ALTER CASING <input type="checkbox"/>	<input type="checkbox"/>
MULTIPLE COMPLETE <input type="checkbox"/>	<input type="checkbox"/>
CHANGE ZONES <input type="checkbox"/>	<input type="checkbox"/>
ABANDON* <input type="checkbox"/>	<input type="checkbox"/>
(other) Set casing	

5. L. SE	
6. IF INDIAN, ALLOTTEE OR TRIBE NAME	
7. UNIT AGREEMENT NAME	
8. FARM OR LEASE NAME Squaw Federal	
9. WELL NO. 2	
10. FIELD OR WILDCAT NAME Wildcat Delaware	
11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA Sec 13-23S-25E	
12. COUNTY OR PARISH Eddy	13. STATE New Mexico
14. API NO.	
15. ELEVATIONS (SHOW DF, KDB, AND WD) 3482' GR	

(NOTE: Report results of multiple completion or zone change on Form 9-330.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

12-22-83 Spud 12 1/4" hole @ 10:30 P.M.

12-27-83 Set 30 jts. 8 5/8", 24#, K-55 csg. @ 1325' w/700 sx ClB5; tailed w/550 sx ClC. Cmt. circulated. Test csg. to 2000# for 30 min. WOC 23 hrs.

Subsurface Safety Valve: Manu. and Type _____ Set @ _____ Ft.

18. I hereby certify that the foregoing is true and correct

SIGNED Melba Knipling TITLE Unit Head DATE 12-30-83

(This space for Federal or State office use)

APPROVED BY _____ TITLE _____ DATE _____
CONDITIONS OF APPROVAL, IF ANY:

ACCEPTED FOR RECORD

JAN 9 1984

*See Instructions on Reverse Side

ROSWELL, NEW MEXICO

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

RECEIVED

DEC 23 1991

O. C. D.
ARTESIA OFFICE

FORM APPROVED
Budget Bureau No. 1004-0135
Expires: September 30, 1990

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to deepen or reentry to a different reservoir.
Use "APPLICATION FOR PERMIT--" for such proposals

SUBMIT IN TRIPLICATE

1. Type of Well

☒ Oil Well ☐ Gas Well ☐ Other

2. Name of Operator

EXXON CORPORATION ATTN: REGULATORY AFFAIRS

3. Address and Telephone No.

P. O. BOX 1600 MIDLAND, TX 79702 (915) 688-7546

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

2310' FNL AND 2240' FEL SECTION 13, T23S, R25E

5. Lease Designation and Serial No.

NM-0453201

6. If Indian, Allottee or Tribe Name

7. If Unit or CA, Agreement Designation

8. Well Name and No.

SQUAM FEDERAL
2

9. API Well No.

3001524701

10. Field and Prod. or Exploratory Area

DELAWARE CANYON

11. County or Parish, State

EDDY NM

12. CHECK APPROPRIATE BOX(s) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION

- ☐ Notice of Intent
☒ Subsequent Report
☐ Final Abandonment Notice

TYPE OF ACTION

- ☒ Abandonment
☐ Recompletion
☐ Plugging Back
☐ Casing Repair
☐ Altering Casing
☐ Other
☐ Change of Plans
☐ New Construction
☐ Non-Routine Fracturing
☐ Water Shut-Off
☐ Conversion to Injection

(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)

12-2-91 8:00 AM - NOTIFIED BLM THAT PLUGGING OPERATIONS WOULD BEGIN.
12-3-91 TAGGED CIBP AT 4620'. PLUG 1 - 25 SX CEMENT PLUG FROM 4362 - 4616'. DISPLACED CSG W/10# BRINE GEL.
PLUG 2 - 25 SX CEMENT PLUG FROM 2827 - 3080'.
PLUG 3 - 25 SX CEMENT PLUG FROM 1122 - 1375'. DISPLACED CSG W/10# BRINE GEL.
PLUG 4 - 10 SX CEMENT PLUG FROM 100' - SURFACE.
ALL PLUGS - CLASS C NEAT.
12-4-91 CUT OFF WELLHEAD. CIRCULATED 15 SX CL C NEAT 100' TO SURFACE IN 5-1/2 X 8-5/8 ANNULUS. WELDED ON DRY HOLE MARKER. CLEANED LOCATION.

Approved as to plugging of the well bore,
Liability under bond is retained until
surface restoration is completed.

14. I hereby certify that the foregoing is true and correct

Signed Judy Bagwell

Title Judy Bagwell
Sr Staff Office Assistant

Date 12/10/91

(This space for Federal or State office use)

Approved by John D. Carter

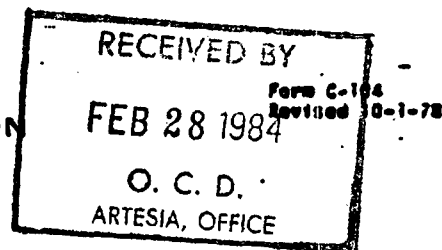
Title PETROLEUM ENGINEER

Date 12-26-91

Conditions of approval, if any:

STATE OF NEW MEXICO
ENERGY AND MINERALS DEPARTMENT

OIL CONSERVATION DIVISION
P. O. BOX 2088
SANTA FE, NEW MEXICO 87501



REQUEST FOR ALLOWABLE
AND
AUTHORIZATION TO TRANSPORT OIL AND NATURAL GAS

I. OPERATOR
Exxon Corporation
Address
P. O. Box 1600, Midland, TX 79702

Reason(s) for filing (Check proper box)
New Well ☒ Change in Transporter oil ☐ Other (Please explain) CASINGHEAD GAS MUST NOT BE
Recompletion ☐ Oil ☐ Dry Gas ☐ FLARED AFTER 4-12-84
Change in Ownership ☐ Casinghead Gas ☐ Condensate ☐ PRESS AN EXCEPTION FROM
THE D. L. M. IS OBTAINED

If change of ownership give name and address of previous owner _____

II. DESCRIPTION OF WELL AND LEASE

Lease Name Squaw Federal Well No. 2 Pool Name, Initiating Formation Wildcat - Delaware Kind of Lease Heavy Federal or Dry Lease NM-04532
Location
Unit Letter G : 2310 Feet From The North Line and 2240 Feet From The East
Line of Section 13 Township 23S Range 25E N.M.P.M. Eddy Co

III. DESIGNATION OF TRANSPORTER OF OIL AND NATURAL GAS

Name of Authorized Transporter of Oil ☒ or Condensate ☐ Address (Give address to which approved copy of this form is to be sent)
Navajo Crude Oil Purchasing Co. P. O. Box 159, Artesia, NM 88210
Name of Authorized Transporter of Casinghead Gas ☐ or Dry Gas ☐ Address (Give address to which approved copy of this form is to be sent)
If well produces oil or liquids, give location of tanks. Unit Sec. Twp. Rge. Is gas actually connected? When
G 13 23S 25E Flared

If this production is commingled with that from any other lease or pool, give commingling order number _____

IV. COMPLETION DATA

Designate Type of Completion - (X) Oil Well ☒ Gas Well ☐ New Well ☒ Workover ☐ Deepen ☐ Plug Back ☐ Same Reserv. ☐ Drill R.
Date Spudded 12-22-83 Date Compl. Ready to Prod. 2-2-84 Total Depth 5172 P.B.T.D.
Elevations (DF, RKB, RT, CR, etc.) GR 3482' Name of Producing Formation Delaware Top Oil/Gas Pay 4732 Tubing Depth 4690
Perforations 4732-4774 Depth Casing Shoe
TUBING, CASING, AND CEMENTING RECORD
HOLE SIZE CASING & TUBING SIZE DEPTH SET SACKS CEMENT
12 1/4" 8 5/8" 1325 1250
7 7/8" 5 1/2" 5172 1450
2 7/8" 4690

V. TEST DATA AND REQUEST FOR ALLOWABLE OIL WELL

(Test must be after recovery of total volume of load oil and must be equal to or exceed top of able for this depth or be for full 24 hours)

Date First New Oil Run To Tanks 1-19-84 Date of Test 2-11-84 Producing Method (Flow, pump, gas lift, etc.) Pump
Length of Test 24 Hr. Tubing Pressure Casing Pressure Choke Size
Actual Prod. During Test Oil - Bbls. 23 Water - Bbls. 130 Gas - MCF 111

GAS WELL

Actual Prod. Test - MCF/D Length of Test Bbls. Condensate/MCF Gravity of Condensate
Testing Method (puot, back pr.) Tubing Pressure (Shut-In) Casing Pressure (Shut-In) Choke Size

487

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

RECEIVED

Drawer DD
Artesia, NM5. LEASE
88210
NM-04532016. IF INDIAN, ALLOTTEE OR TRIBE NAME
--7. UNIT AGREEMENT NAME
--8. FARM OR LEASE NAME
Squaw Federal9. WELL NO.
210. FIELD OR WILDCAT NAME
Wildcat *Delaware*11. SEC., T., R., M., OR BLK. AND SURVEY OR
AREA
Sec. 13-23S-25E12. COUNTY OR PARISH
Eddy13. STATE
New Mexico

14. API NO.

15. ELEVATIONS (SHOW DF, KDB, AND WD)
3482' GR

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 Form 9-331-C for such proposals.)

1. oil ☒ gas ☐
well well other2. NAME OF OPERATOR
Exxon Corporation3. ADDRESS OF OPERATOR
P.O. Box 1600, Midland, Texas 797024. LOCATION OF WELL (REPORT LOCATION CLEARLY. See space 17
below.) 2310' FNL & 2240' FEL of Sec.
AT SURFACE:
AT TOP PROD. INTERVAL:
AT TOTAL DEPTH:16. CHECK APPROPRIATE BOX TO INDICATE NATURE OF NOTICE,
REPORT, OR OTHER DATA

REQUEST FOR APPROVAL TO:

TEST WATER SHUT-OFF ☐
FRACTURE TREAT ☐
SHOOT OR ACIDIZE ☐
REPAIR WELL ☐
PULL OR ALTER CASING ☐
MULTIPLE COMPLETE ☐
CHANGE ZONES ☐
ABANDON* ☐

SUBSEQUENT REPORT OF:

☐
☐
☐
☐
☐
☐
☐
☐(other) Set casing

RECEIVED BY

MAY 11 1984

O. C. D.
ARTESIA, OFFICENOTE: Report results of multiple completion or zone
change on Form 9-330.)17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates,
including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and
measured and true vertical depths for all markers and zones pertinent to this work.)*1-7-84 Ran 5 1/2" 17# K-55 csg., set @ 5172'. DV tool @ 3020'. Cement 1st stage
w/550 sx Class C & 2nd stage w/900 sx Class C. 1st stage circ., 2nd stage
did not circ. Ran Temp. survey - TOC 1050'. Surface csg. set @ 1326'.
WOC, csg. to be tested before completion begins.

Subsurface Safety Valve: Manu. and Type _____ Set @ _____ Ft.

18. I hereby certify that the foregoing is true and correct

SIGNED Melba Fripling TITLE Unit Head DATE January 17, 1984ACCEPTED FOR RECORD
(This space for Federal or State office use)APPROVED BY [Signature] TITLE _____ DATE _____
CONDITIONS OF APPROVAL IF ANY

MAY 9 1984

Carlsbad, NEW MEXICO *See Instructions on Reverse Side

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

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 Form 9-331-C for such proposals.)

1. oil ☒ gas ☐ other ☐
well well
2. NAME OF OPERATOR
Exxon Corporation
3. ADDRESS OF OPERATOR
P.O. Box 1600, Midland, Texas 79702
4. LOCATION OF WELL (REPORT LOCATION CLEARLY. See space 17 below.) 2310' FNL & 2240' FEL of Section
AT SURFACE:
AT TOP PROD. INTERVAL:
AT TOTAL DEPTH:
16. CHECK APPROPRIATE BOX TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

REQUEST FOR APPROVAL TO: SUBSEQUENT REPORT OF:

TEST WATER SHUT-OFF	<input type="checkbox"/>	<input type="checkbox"/>
FRACTURE TREAT	<input type="checkbox"/>	<input type="checkbox"/>
SHOOT OR ACIDIZE	<input type="checkbox"/>	<input type="checkbox"/>
REPAIR WELL	<input type="checkbox"/>	<input type="checkbox"/>
PULL OR ALTER CASING	<input type="checkbox"/>	<input type="checkbox"/>
MULTIPLE COMPLETE	<input type="checkbox"/>	<input type="checkbox"/>
CHANGE ZONES	<input type="checkbox"/>	<input type="checkbox"/>
ABANDON*	<input type="checkbox"/>	<input type="checkbox"/>

(other) Change casing program

5. LEASE
NM-0453201
6. IF INDIAN, ALLOTTEE OR TRIBE NAME
7. UNIT AGREEMENT NAME
8. FARM OR LEASE NAME
Squaw Federal
9. WELL NO.
10. FIELD OR WILDCAT NAME
Wildcat Delaware
11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA
Sec. 13-23S-25E
12. COUNTY OR PARISH
Eddy
13. STATE
New Mexico
14. API NO.
15. ELEVATIONS (SHOW OF, KDB, AND WD)
3482' GR

(NOTE: Report results of multiple completion zone change on Form 9-330)

RECEIVED
JAN 12 10 25 AM '84
BUR. OF LAND MGMT
ROSSELL DISTRICT

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

Please amend the casing and cementing program to show that 8 5/8", 24# csg. will be set @ 1325' w/1250 sx cmt.

Subsurface Safety Valve: Manu. and Type _____ Set @ _____ Ft.

18. I hereby certify that the foregoing is true and correct

SIGNED Melba Knepling TITLE Unit Head DATE January 10, 1984
ACCEPTED FOR RECORD
(This space for Federal or State office use)

APPROVED BY GWD TITLE _____ DATE _____
CONDITIONS OF APPROVAL IF ANY

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEYNM OIL CONS. COMMISSION
Drawer DD
Artesia, NM

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back a different reservoir. Use Form 9-331-C for such proposals.)

1. oil well ☒ gas well ☐ other ☐2. NAME OF OPERATOR
Exxon Corporation3. ADDRESS OF OPERATOR
P.O. Box 1600, Midland, Texas 797024. LOCATION OF WELL (REPORT LOCATION CLEARLY. See space 17 below.)
2310' FNL & 2240' FEL of Section
AT SURFACE:
AT TOP PROD. INTERVAL:
AT TOTAL DEPTH:

16. CHECK APPROPRIATE BOX TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

REQUEST FOR APPROVAL TO:

TEST WATER SHUT-OFF ☐
FRACTURE TREAT ☐
SHOOT OR ACIDIZE ☐
REPAIR WELL ☐
PULL OR ALTER CASING ☐
MULTIPLE COMPLETE ☐
CHANGE ZONES ☐
ABANDON* ☐

SUBSEQUENT REPORT OF:

☐
☐
☐
☐
☐
☐
☐
☐

(other) Set casing

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

12-22-83 Spud 12 1/4" hole @ 10:30 P.M.

12-27-83 Set 30 jts. 8 5/8", 24#, K-55 csg. @ 1325' w/700 sx C1B5; tailed w/550 sx C1C. Cmt. circulated. Test csg. to 2000# for 30 min. WOC 23 hrs.

Subsurface Safety Valve: Manu. and Type _____ Set @ _____ Ft.

18. I hereby certify that the foregoing is true and correct

SIGNED Melba Knippling TITLE Unit Head DATE 12-30-83

(This space for Federal or State office use)

APPROVED BY _____
CONDITIONS OF APPROVAL, IF ANY:

TITLE _____

DATE _____

ACCEPTED FOR RECORD

JAN 9 1984

*See Instructions on Reverse Side

ROSWELL, NEW MEXICO

Operator Gulf Oil Corp.

TOPS

Well Shearn D Fed. Con. #1

Unit J Section 15 Township 23-S Range 25-E

API # 30-015 -- 22430

Yates

T. Salt

B. Salt

Glorieta

Bone Sp.

Abo

Wolfcamp 8357'

Morrow 10850'

Devonian

Fusselman

Other

13 $\frac{3}{8}$ " 48# casing set @ 375'

w/400 srs cl. H.

9 $\frac{5}{8}$ " 40# casing set @ 2596'

w/1200 srs cement.

1" to surface total 600 srs cement.

Perfs 9796' - 9913'

5 $\frac{1}{2}$ " 17# casing set @ 11,350'

w/875 srs cl-H. T.O.C. 8610' by Temp. Survey.

History

Well was spudded & Drilled 2/19/1978

Well P.A. - 7/12/1979.

Form 9-331
(May 1963)UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEYSUBMIT IN TRIPLICATE*
(Other instructions on re-
verse side)Form approved.
Budget Bureau No. 42-R1424.

5. LEASE DESIGNATION AND SERIAL NO.

NM-6034

RECEIVED

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

APR 28 1980

7. UNIT AGREEMENT NAME

O. C. D.

8. FARM OR LEASE NAME, RIES A, OFFICE

Shearn "D" Federal Com

9. WELL NO.

1

10. FIELD AND POOL, OR WILDCAT

Undes. Strawn

11. SEC., T., R., M., OR BLK. AND
SURVEY OR AREA

Sec. 15-T23S-R25E

12. COUNTY OR PARISH

Eddy

13. STATE

NM

1.

OIL ☐ GAS ☒ OTHER ☐

2. NAME OF OPERATOR

GULF OIL CORPORATION

3. ADDRESS OF OPERATOR

P.O. Box 670, Hobbs, NM 88240

4. LOCATION OF WELL. (Report location clearly and in accordance with any State requirements.*

See also space 17 below.)

At surface

1980' FSL & 1980' FEL

14. PERMIT NO.

15. ELEVATIONS (Show whether DF, RT, GR, etc.)

3754' GL

16.

Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF ☐FRACTURE TREAT ☐SHOOT OR ACIDIZE ☐REPAIR WELL ☐(Other) ☐PULL OR ALTER CASING ☐MULTIPLE COMPLETE ☐ABANDON* ☐CHANGE PLANS ☐

SUBSEQUENT REPORT OF:

WATER SHUT-OFF ☐FRACTURE TREATMENT ☐SHOOTING OR ACIDIZING ☐(Other) ☐REPAIRING WELL ☐ALTERING CASING ☐ABANDONMENT* ☒(NOTE: Report results of multiple completion on Well
Completion or Recompletion Report and Log form.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

11,350' TD. 10,105' PB. Set CIBP @ 9000'. Capped w/25 sx cmt (225'). Circ hole w/abandonment mud. Cut csg @ 7603' & pulled. Spotted 158' plug (40 sx cmt) @ 7678' to 7520'. Spotted 45 sx cmt f/6950' to 6800'; 45 sx f/5450'-5300'; 45 sx f/4000'-3850'; 50 sx f/2700'-2550' across 9-5/8" shoe jt. WOC. Tagged cmt plug @ 2658' - spotted 35 sx cmt from 2658' to 2550'. Spotted 45 sx cmt from 650' to 550'. Spot 25' plug @ surf. Install dry hole marker.

Will notify when location is ready for inspection.

Work performed 7-6-79 thru 7-12-79.

Posted
ID 2
5-2-80
P+A

RECEIVED

JUL 17 1979

U.S. GEOLOGICAL SURVEY
ARTESIA, NEW MEXICO

18. I hereby certify that the foregoing is true and correct

SIGNED

N. B. Sikes, Jr.

TITLE

Area Engineer

DATE

7-16-79

(This space for Federal or State office use)

(Orig. Sgd.) GEORGE H. STEWART

APPROVED BY

TITLE

DATE

APR 30 1980

CONDITIONS OF APPROVAL, IF ANY:

*See Instructions on Reverse Side

OCC COPY
UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEYSUBMIT IN TRIPLICATE*
(Other instructions on reverse side)Form approved.
Budget Bureau No. 42-R1424.

5. LEASE DESIGNATION AND SERIAL NO.

NM-6034

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME

Shearn "D" Federal Com

9. WELL NO.

1

10. FIELD AND POOL, OR WILDCAT

Undes Strawn

11. SEC., T., R., M., OR BLK. AND
SURVEY OR AREA

Sec 15, T23S-R25E

12. COUNTY OR PARISH

Eddy

NM

1. OIL ☐ GAS ☒ OTHER ☐
WELL WELL

RECEIVED

2. NAME OF OPERATOR

Gulf Oil Corporation

APR 26 1978

3. ADDRESS OF OPERATOR

P. O. Box 670, Hobbs, NM 88240

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.
See also space 17 below.)

At surface

1980' FSL, 1980' FEL, Sec 15, T23S-R25E

14. PERMIT NO.

15. ELEVATIONS (Show whether DF, RT, GR, etc.)

3754' GL

16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF

PULL OR ALTER CASING

FRACTURE TREAT

MULTIPLE COMPLETE

SHOOT OR ACIDIZE

ABANDON*

REPAIR WELL

CHANGE PLANS

(Other)

SUBSEQUENT REPORT OF:

WATER SHUT-OFF

FRACTURE TREATMENT

SHOOTING OR ACIDIZING

(Other)

REPAIRING WELL

ALTERING CASING

ABANDONMENT*

(NOTE: Report results of multiple completion on Well
Completion or Recompletion Report and Log form.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

Reached TD of 8 3/4" hole at 11,350' at 5:30 PM 3-28-78. Ran 52 jts 5 1/2" 17# N-80 LT & C (2184.56'), 160 jst 5 1/2" 17# K-55 LT & C (6670.39'), 57 jts and 1 cut jt 5 1/2" 17# N-80 LT & C (2398.50'). Total 11,333.45', set at 11,350' Cement with 875 sacks Class H .75% CFR-2, 5#/sack KCL. Cement did not circulate. WOC 6 hours. TSITOC 8610'. WOC over 24 hours. Tested 5 1/2" casing to 3000# for 30 min OK.

Piped valves above ground level on all casing strings, approved by Bill Grisset, OCC Artesia, NM.

RECEIVED
APR 19 1978
U.S. GEOLOGICAL SURVEY
ARTESIA, NEW MEXICO

18. I hereby certify that the foregoing is true and correct

SIGNED

H. B. Sikes, Jr.

TITLE Area Engineer

DATE 4-17-78

(This space for Federal or State office use)

APPROVED BY

Joe J. Lara

TITLE ACTING DISTRICT ENGINEER

DATE APR 25 1978

CONDITIONS OF APPROVAL, IF ANY:

NMOC COPY
UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEYSUBMIT IN TRIPLICATE
(Other instructions on reverse side)Form approved.
Budget Bureau No. 42-R1424.

5. LEASE DESIGNATION AND SERIAL NO.

NM-6034

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME

Shearn "D" Federal Co

9. WELL NO.

1

10. FIELD AND POOL, OR WILDCAT

Undes Strawn

11. SEC., T., R., M., OR BLK. AND
SURVEY OR AREA

Sec 15, T23S-R25E

12. COUNTY OR PARISH

Eddy

13. STATE

NM

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—" for such proposals.)

RECEIVED

MAR 14 1978

O.C.C.

O.C.C. OFFICE

1. OIL ☐ GAS ☒ OTHER ☐
WELL WELL

2. NAME OF OPERATOR

Gulf Oil Corporation

3. ADDRESS OF OPERATOR

P. O. Box 670, Hobbs, NM 88240

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.
See also space 17 below.)
At surface

1980' FSL, & 1980' FEL, Sec 15, T23S, R25E

14. PERMIT NO.

15. ELEVATIONS (Show whether DF, RT, GR, etc.)

3754' GL

16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF

FRACTURE TREAT

SHOOT OR ACIDIZE

REPAIR WELL

(Other)

PULL OR ALTER CASING

MULTIPLE COMPLETE

ABANDON*

CHANGE PLANS

SUBSEQUENT REPORT OF:

WATER SHUT-OFF

FRACTURE TREATMENT

SHOOTING OR ACIDIZING

(Other)

REPAIRING WELL

ALTERING CASING

ABANDONMENT*

(NOTE: Report results of multiple completion on Well
Completion or Recompletion Report and Log form.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.) *

Reached TD of 12 1/4" hole at 2610' at 10:15 AM 2-27-78. Ran 63 jts and 1 cut jt 9 5/8" 40# S-95 LT & C and 36# K-55 ST & C (28 jts 1236.22', 40#), (35 jts and 1 cut jt 1360.11', 36#) total 2596', set at 2610'. Cement with 300 sacks Thickset with 10#/sack Gilsonite, 1/4# flocele, 2% CaCl2, plug 600 sxs Howco lite and 200 sacks Class C with 2% CaCl2. Cement did not circulate. WOC 6 hrs. Cement thru 1" pipe with 600 sacks Class C with 4% CaCl2, thickset, 5#/sack gilsonite, 1/4# flocele, 3% CaCl2. Cement with 120 sacks Thickset. Cement circulated. WOC over 24 hours. Tested 9 5/8" casing to 3000# for 30 min OK.

Started drilling a 8 3/4" hole at 2610' at 1:45 PM 3-2-78.

RECEIVED

MAR 9 - 1978

U.S. GEOLOGICAL SURVEY
ARTESIA, NEW MEXICO

18. I hereby certify that the foregoing is true and correct

SIGNED

H. B. Sikes, Jr.

TITLE

Area Engineer

DATE

3-3-78

(This space for Federal or State (Use use)

APPROVED BY

Joe H. Lamm

TITLE

ACTING DISTRICT ENGINEER

DATE

MAR 13 1978

CONDITIONS OF APPROVAL, IF ANY:

NMCCC COPY.

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEYSUBMIT IN TRIPLICATE*
(Other instructions on reverse side)Form approved.
Budget Bureau No. 42-R1424.

5. LEASE DESIGNATION AND SERIAL NO.

NM-6034

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME

Shearn "D" Federal Com

9. WELL NO.

1

10. FIELD AND POOL, OR WILDCAT

Undes Strawn

11. SEC., T., R., M., OR BLK. AND
SURVEY OR AREA

Sec 15, T23S-R25E

12. COUNTY OR PARISH 13. STATE

Eddy

NM

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—" for such proposals.)1. OIL ☐ GAS ☒ OTHER ☐
WELL WELL

RECEIVED

2. NAME OF OPERATOR
Gulf Oil Corporation

FEB 28 1978

3. ADDRESS OF OPERATOR
P. O. Box 670, Hobbs, NM 882404. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.
See also space 17 below.)
At surface

1980' FSL & 1980' FEL, Section 15, T-23-S, R-25-E

14. PERMIT NO.

15. ELEVATIONS (Show whether DF, RT, GR, etc.)

3754' GL

16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF

FRACTURE TREAT

SHOOT OR ACIDIZE

REPAIR WELL

(Other)

PULL OR ALTER CASING

MULTIPLE COMPLETION

ABANDON*

CHANGE PLANS

SUBSEQUENT REPORT OF:

WATER SHUT-OFF

FRACTURE TREATMENT

SHOOTING OR ACIDIZING

(Other)

REPAIRING WELL

ALTERING CASING

ABANDONMENT*

(Note: Report results of multiple completion on Well
Completion or Recompletion Report and Log form.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

McVay Drilling Co. spudded a 17 1/2" hole at 3:30 PM 2-19-78. Reached TD of 17 1/2" hole at 375' at 6 AM 2-21-78. Ran 10 jts 13 3/8" 48# H-40 ST & C (357') Set at 375'. Cemented with 200 sacks Class H lite weight and 200 sacks Class H with 2% CaCl2. Cement did not circulate. Ran 4 1/2 yards of ready mix to surface. WOC 18 hrs. Tested 13 3/8" casing 500# for 30 min - OK.

Started drilling a 12 1/4" hole at 375' at 3 AM 2-22-78.

RECEIVED
FEB 24 1978
U.S. GEOLOGICAL SURVEY
ARTESIA, NEW MEXICO

18. I hereby certify that the foregoing is true and correct

SIGNED

TITLE

Area Engineer

DATE

2-23-78

(This space for Federal or State office use)

APPROVED BY

TITLE

ACTING DISTRICT ENGINEER

DATE

FEB 27 1978

CONDITIONS OF APPROVAL, IF ANY:

Operator Exxon Corp.

TOPS

Well Mary Fd. #4

Unit H Section 24 Township 23S Range 25E

API # 30-015-25135

Yates

T. Salt

B. Salt

Glorieta

Bone Sp. 4821'

Abo

Wolfcamp

Morrow

Devonian

Fusselman

Other T. Delaware 1456'

10 3/4" 40.5# csg set @ 377'

w/ 900 sacks cement.

7" 23.1# csg set @ 1417'

w/ 1873 sacks cement.

D.V. Tool

3014'

F Perfs 4878'-94'

4 1/2" 9.5# set @ 5123'

w/ 695 sacks cement.

History

Well was spud + Drilled 1/20/1985.

Well was plugged 12/6/1985.

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUBMIT IN TRIPLICATE*
(Other instructions on re-
verse side)

Form approved.
Budget Bureau No. 1004-0135
Expires August 31, 1985

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—" for such proposals.)

1. OIL WELL <input type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER Dry	RECEIVED BY
2. NAME OF OPERATOR Exxon Corporation	MAY 12 1986
3. ADDRESS OF OPERATOR P. O. Box 1600, Midland, TX 79702	O. C. D. ARTESIA OFFICE
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements. See also space 17 below.) At surface	

1565' FNL & 200' FEL of Sec. (SE NE)

14. PERMIT NO. 30-015-25135	15. ELEVATIONS (Show whether DF, ST, GR, etc.) KB-3448, DF-3447, GL-3435
--------------------------------	---

5. LEASE DESIGNATION AND SERIAL NO. NM-0426782	
6. IF INDIAN, ALLOTTEE OR TRIBE NAME	
7. UNIT AGREEMENT NAME	
8. FARM OR LEASE NAME Mary Federal	
9. WELL NO. 4	
10. FIELD AND POOL, OR WILDCAT West Dark Canyon - Delawa	
11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA Sec. 24, T23S, R25E	
12. COUNTY OR PARISH Eddy	13. STATE NM

18. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:

SUBSEQUENT REPORT OF:

TEST WATER SHUT-OFF ☐
FRACTURE TREAT ☐
SHOOT OR ACIDIZE ☐
REPAIR WELL ☐
(Other) ☐

PULL OR ALTER CASING ☐
MULTIPLE COMPLETE ☐
ABANDON* ☐
CHANGE PLANE ☐

WATER SHUT-OFF ☐
FRACTURE TREATMENT ☐
SHOOTING OR ACIDIZING ☐
(Other) ☐

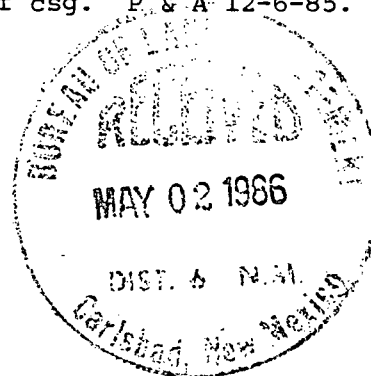
REPAIRING WELL ☐
ALTERING CASING ☐
ABANDONMENT* ☒

(NOTE: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

The above well was plugged and abandoned as follows:

CIBP was set at 4808' w/ 35' cmt. on 4-24-85. On 12-6-85 plugs were set at 3067' w/ 25 sx cmt., 1516' w/ 25 sx cmt. & 610' w/ 25 sx cmt. Perf 4 1/2" csg. at 150' w/ 4 shots and again at 100'. Could not get circulation. Tagged plug at 390' & circulated cmt. to surface on both sides of csg. P & A 12-6-85.



18. I hereby certify that the foregoing is true and correct

SIGNED Melba Knippling

TITLE Section Head

DATE 04/30/86

(This space for Federal or State office use)

APPROVED BY Area Manager

TITLE

DATE

5-7-86

CONDITIONS OF APPROVAL, IF ANY:

*See Instructions on Reverse Side

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUBMIT IN TRIP DATE
(Other instructions on reverse side)

Form approved.
Budget Bureau No. 1004-0135
Expires August 31, 1985

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—" for such proposals.)

1. OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> OTHER Dry	RECEIVED BY JAN 8 1986 C. C. D. ARTESIA, OFFICE	5. LEASE DESIGNATION AND SERIAL NO. NM-0426782
2. NAME OF OPERATOR Exxon Corporation		6. IF INDIAN, ALLOTTEE OR TRIBE NAME ---
3. ADDRESS OF OPERATOR P. O. Box 1600, Midland, TX 79702		7. UNIT AGREEMENT NAME ---
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.) At surface 1565' FNL & 200' FEL of Sec. (SE/NE)		8. FARM OR LEASE NAME Mary Federal
		9. WELL NO. 4
		10. FIELD AND POOL, OR WILDCAT West Dark Canyon Delan
		11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA Sec. 24, T23S, R25E
14. PERMIT NO. 30-015-25135	15. ELEVATIONS (Show whether DF, RT, GR, etc.) KB-3448, DF-3447, GL-3435	12. COUNTY OR PARISH Eddy
		13. STATE NM

16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF <input type="checkbox"/>	PULL OR ALTER CASING <input type="checkbox"/>
FRACTURE TREAT <input type="checkbox"/>	MULTIPLE COMPLETE <input type="checkbox"/>
SHOOT OR ACIDIZE <input type="checkbox"/>	ABANDON* <input type="checkbox"/>
REPAIR WELL <input type="checkbox"/>	CHANGE PLANS <input type="checkbox"/>
(Other) <input type="checkbox"/>	

SUBSEQUENT REPORT OF:

WATER SHUT-OFF <input type="checkbox"/>	REPAIRING WELL <input type="checkbox"/>
FRACTURE TREATMENT <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
SHOOTING OR ACIDIZING <input type="checkbox"/>	ABANDONMENT* <input checked="" type="checkbox"/>
(Other) <input type="checkbox"/>	

(NOTE: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

The above well was plugged and abandoned as follows:

Set plug at 3067' w/ 25 sx cmt.
Set plug at 1516' w/ 25 sx cmt.
Perf 4 1/2" csg. at 150' w/ 4 shots.
Perf'd again at 100'. Tagged plug at 390' and circulated cmt. to surface.
Cut off wellhead and installed dry hole marker.
P & A 12-6-85.

Post FD-2
1-24-86
MA

18. I hereby certify that the foregoing is true and correct

SIGNED Melba Kripling TITLE Unit Head DATE 1-3-86

(This space for Federal or State office use)

APPROVED BY _____ TITLE _____ DATE _____

CONDITIONS OF APPROVAL, IF ANY:

*See Instructions on Reverse Side

UNITED STATES DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

ARTESIA, NEW MEXICO 88210
(See other instructions on reverse side)

Form approved.
Budget Bureau No. 1004-0137
Expires August 31, 1985

WELL COMPLETION OR RECOMPLETION REPORT AND LOG *

1a. TYPE OF WELL: OIL WELL <input type="checkbox"/> GAS WELL <input type="checkbox"/> DRY <input checked="" type="checkbox"/> Other <input type="checkbox"/>		5. LEASE DESIGNATION AND SERIAL NO. NM-0426782	
b. TYPE OF COMPLETION: NEW WELL <input checked="" type="checkbox"/> WORK OVER <input type="checkbox"/> DEEP-EN <input type="checkbox"/> PLUG BACK <input type="checkbox"/> DIFF. REVR. <input type="checkbox"/> Other <input type="checkbox"/>		6. IF INDIAN, ALLOTTEE OR TRIBE NAME	
2. NAME OF OPERATOR Exxon Corporation		7. UNIT AGREEMENT NAME	
3. ADDRESS OF OPERATOR P. O. Box 1600, Midland, TX 79702		8. FARM OR LEASE NAME Mary Federal	
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements). At surface 1565' FNL & 200' FEL of Section At top prod. interval reported below At total depth		9. WELL NO. #4	
14. PERMIT NO. 30-015-25135		10. FIELD AND POOL, OR WILDCAT West Dark Canyon-Delaware	
DATE ISSUED 12-11-84		11. SEC. T., R., M., OR BLOCK AND SURVEY OR AREA Sec. 24, 23S, 25E	
15. DATE SPUDDED 1-20-85		12. COUNTY OR PARISH Eddy	
16. DATE T.D. REACHED 3-13-85		13. STATE NM	
17. DATE COMPL. (Ready to prod.) 3-24-85		18. ELEVATIONS (DF, RKB, RT, GR, ETC.) KB-3448, DF-3447, GL-3445	
19. ELEV. CASINGHEAD 3446		20. TOTAL DEPTH, MD & TVD 5125	
21. PLUG BACK T.D., MD & TVD P&A 12-6-85		22. IF MULTIPLE COMPL., HOW MANY*	
23. INTERVALS DRILLED BY ROTARY TOOLS CABLE TOOLS		24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)*	
25. WAS DIRECTIONAL SURVEY MADE No		26. TYPE ELECTRIC AND OTHER LOGS RUN LDT-CNL; DLL-MSFL	
27. WAS WELL CORED No		28. CASING RECORD (Report all strings set in well)	
CASING SIZE		WEIGHT, LB./FT.	
DEPTH SET (MD)		HOLE SIZE	
CEMENTING RECORD		AMOUNT PULLED	
10 3/4		40.5	
377		12 1/4	
900 sx C1C			
7		23	
1417		9 7/8	
870 sx PSL & 1003 sx C1C			
4 1/2		9.5	
5123		6 1/4	
695 sx C1C			
29. LINER RECORD		30. TUBING RECORD	
SIZE		TOP (MD)	
BOTTOM (MD)		SACKS CEMENT*	
SCREEN (MD)		SIZE	
DEPTH SET (MD)		PACKER SET (MD)	
31. PERFORATION RECORD (Interval, size and number) 4878-4894 w/ 33 shots. acidz. w/ 2000 gals. 15% HCl. Frac w/ 20,000 gals. cross gel and CO ₂ & 30000# 20-40 sd. Set CIBP at 4808' w/ 35' cmt.		32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.	
DEPTH INTERVAL (MD)		AMOUNT AND KIND OF MATERIAL USED	
100-48		200 sx C1C Set to contain	
48-0		200 sx C1C hole & prevent	
525-852		280 sx C1H cave-in.	
624-945		400 sx C1C-set due to lost	
33. PRODUCTION DATE FIRST PRODUCTION 3-24-85 PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump) 200 bbls. testing allowable only returns-See reverse.		WELL STATUS (Producing or shut-in)	
DATE OF TEST		HOURS TESTED	
CHOKE SIZE		PROD'N. FOR TEST PERIOD	
OIL—BSL.		GAS—MCF.	
WATER—BSL.		GAS—OIL RATIO	
FLOW. TUBING PRESS.		CASING PRESSURE	
CALCULATED 24-HOUR RATE		OIL—BSL.	
GAS—MCF.		WATER—BSL.	
OIL GRAVITY-API (CORR.)		TEST WITNESSED BY	
34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.)		35. LIST OF ATTACHMENTS P&A 12-6-85	
36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records		SIGNED <u>Melba Knippling</u> TITLE <u>Unit Head</u> DATE <u>1-3-86</u>	

*(See Instructions and Spaces for Additional Data on Reverse Side)

37. SUMMARY OF POROUS ZONES: (Show all important zones of porosity and contents thereof; cored intervals; and all drill-stem, tests, including depth interval tested, cushion used, flowing and shut-in pressures, and recoveries):

FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.
			<p>Set plugs at 346-453 w/ 200 sx C1C, 318-346 w/ 170 sx C1C, 318' w/ 200 sx C1C & 240-318' w/ 250 sx C1C.</p> <p>Set plugs below with 250 sx C1H each: 762-890, 689-762, 596-689, 390-596, 325-390, 272-325, 242-272, 240-242 & 2 at 240'.</p> <p><u>P&A Information</u></p> <p>Set plug at 3067' w/ 25 sx cmt. Set plug at 1516' w/ 25 sx cmt. Perf 4 1/2" csg. at 150' w/ 4 shots. Perf'd again at 100'. Tagged plug at 390' and circulated cmt. to surface. Cut off wellhead and installed dry hole marker. P&A 12-6-85.</p>

38.

GEOLOGIC MARKERS

NAME	TOP	
	MEAS. DEPTH	TRUE VERT. DEPTH
Delaware Cherry Canyon Bone Spring	1456 2304 4821	

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—" for such proposals.)

OIL WELL ☒ GAS WELL ☐ OTHER ☐
ARTESIA, OFFICE

2. NAME OF OPERATOR
Exxon Corporation ✓
3. ADDRESS OF OPERATOR
P. O. Box 1600, Midland, TX 79702
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.*
See also space 17 below.)
At surface 1565' FNL and 200' FEL of Sec. 24 *SE/NE)

5. LEASE DESIGNATION AND SERIAL NO.
NM-0426782
6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME
Mary Federal
9. WELL NO.
4
10. FIELD AND POOL, OR WILDCAT
West Dark Canyon-Delaware
11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA
Sec. 24, T23S, R25E
12. COUNTY OR PARISH
Eddy
13. STATE
New Mexico

14. PERMIT NO.
30-015-25135
15. ELEVATIONS (Show whether DF, ST, GR, etc.)
3446' GR

16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF ☐
FRACTURE TREAT ☐
SHOOT OR ACIDIZE ☐
REPAIR WELL ☐
(Other) ☐
PULL OR ALTER CASING ☐
MULTIPLE COMPLETE ☐
ABANDON* ☐
CHANGE PLANE ☐

SUBSEQUENT REPORT OF:

WATER SHUT-OFF ☐
FRACTURE TREATMENT ☐
SHOOTING OR ACIDIZING ☐
(Other) ☐ Status Report ☐
REPAIRING WELL ☐
ALTERING CASING ☐
ABANDONMENT* ☐

(NOTE: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

The plugs shown on the previous report were set to contain the hole and keep it from caving in.

1-29-85 Drlg @ 979' in 12 1/4" hole. Set plug @ 642-945' w/400 sx Cl C. Plugs set because of lost returns.
2- 5-85 Set plug @ 346-453' w/200 sx Cl C.
318-346' w/170 sx Cl C
2- 6-85 318' w/200 sx Cl C. No fill.
240-318' w/250 sx Cl C. Drill out.
2-12-85 Drlg @ 1280'. Twisted off. Fish consists of Bit, B.S., 8" DC, XO, 6 1/2" DC, XO, 4" DP, DP too jt pen end. Top of fish @ 536'. Try to recover fish. Could not.
2-17-85 Drlg @ 992'. Pipe stuck. Fish consists of bit, bs, 8" DC, XO. Tof of fish @ 925' Wash and Ream.
2-20-85 Set plugs @ 762-890' w/250 sx Cl H
689-762' w/250 sx Cl H
596-689' w/250 sx Cl H
390-596' w/250 sx Cl H
325-390' w/250 sx Cl H
272-325' w/250 sx Cl H
2-21-85 242-272' w/250 sx Cl H
240-242' w/250 sx Cl H
248' w/250 sx Cl H No fill

(OVER)

18. I hereby certify that the foregoing is true and correct

SIGNED Melba Fripling TITLE Unit Head DATE 3-10-85

(This space for Federal or State office use)

APPROVED BY ACCEPTED FOR RECORD TITLE _____ DATE _____
CONDITIONS OF APPROVAL, IF ANY:

APR 2 1985

*See Instructions on Reverse Side

Form 3160-5 BY
November 1983
Formerly 9-331)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUBMIT IN TRIPLICATE
(Other instructions on re-
verse side)

Form approved.
Budget Bureau No. 1004-0135
Expires August 31, 1985

APR - 2 1985

DD

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 for such proposals.

ARTESIA OFFICE

OIL WELL ☒ GAS WELL ☐ OTHER ☐

2. NAME OF OPERATOR

Exxon Corporation

3. ADDRESS OF OPERATOR

P. O. Box 1600, Midland, TX 79702

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.
See also space 17 below.)
At surface

1565' FNL and 200' FEL of Sec. 24 (SE/NE)

14. PERMIT NO.

30-015-25135

15. ELEVATIONS (Show whether DF, RT, GR, etc.)

3446' GR

5. LEASE DESIGNATION AND SERIAL NO.

NM-0426782

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

--

7. UNIT AGREEMENT NAME

--

8. FARM OR LEASE NAME

Mary Federal

9. WELL NO.

4

10. FIELD AND POOL, OR WILDCAT

West Dark Canyon-Delaware

11. SEC. T., R., M., OR BLK. AND
SURVEY OR AREA

Sec. 24 - T23S, R25E

12. COUNTY OR PARISH

Eddy

13. STATE

New Mexico

16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF

FRACTURE TREAT

SHOOT OR ACIDIZE

REPAIR WELL

(Other)

PULL OR ALTER CASING

MULTIPLE COMPLETE

ABANDON*

CHANGE PLANS

SUBSEQUENT REPORT OF:

WATER SHUT-OFF

FRACTURE TREATMENT

SHOOTING OR ACIDIZING

(Other)

REPAIRING WELL

ALTERING CASING

ABANDONMENT*

Status Report

(Note: Report results of multiple completion on Well
Completion or Recompletion Report and Log form.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

1-20-85 Spud 12-1/4" hole @ 0615.
Hole caving in.

1-22-85 Set plug @ 100 - 48 w/ 200 sx C1C
Set plug @ 48 - 0 w/ 200 sx C1C

1-24-85 Set plug @ 525 - 852 w/ 280 sx C1H

18. I hereby certify that the foregoing is true and correct

SIGNED

Melba Kripling

TITLE

Unit Head

DATE 30 January 1985

(This space for Federal or State office use)

APPROVED BY

ACCEPTED FOR RECORD

TITLE

DATE

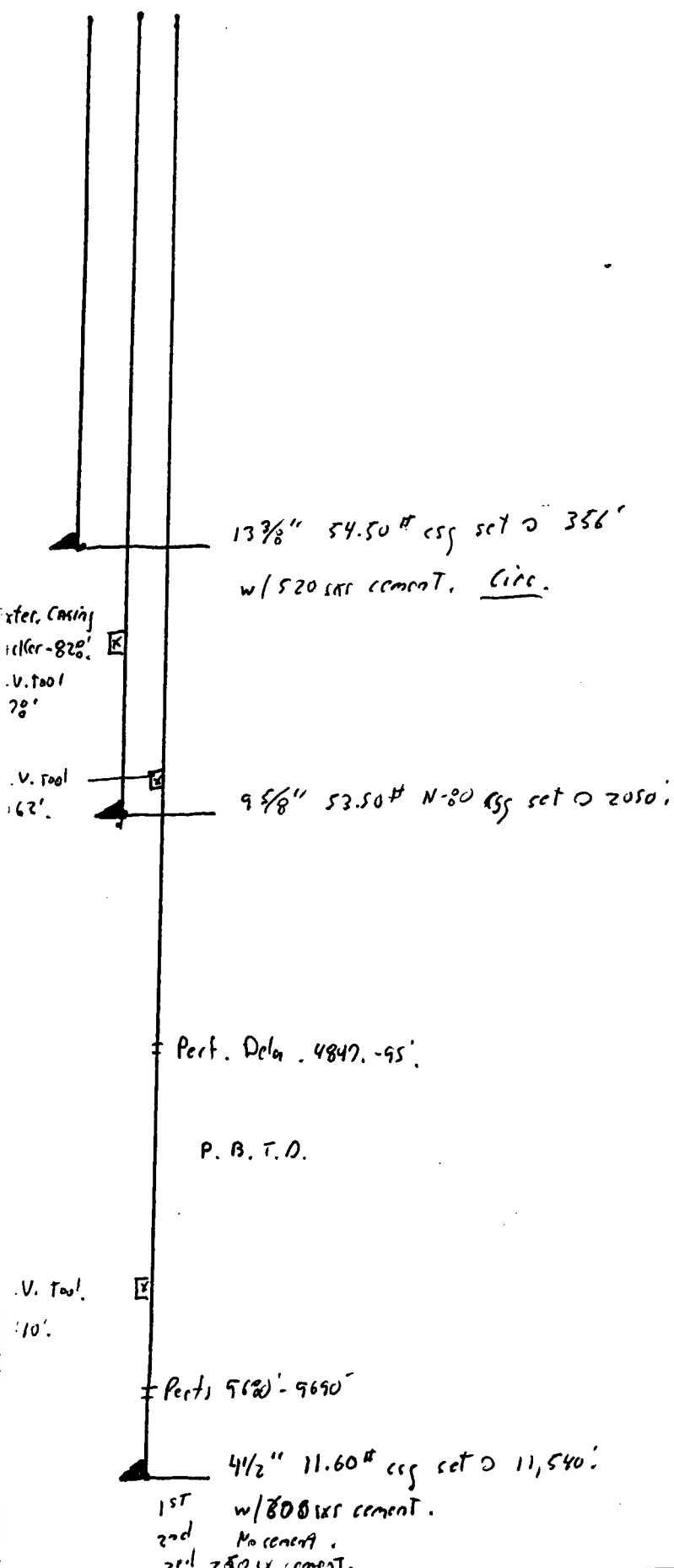
CONDITIONS OF APPROVAL, IF ANY:

APR 2 1985

*See Instructions on Reverse Side

Operator Collins & Ware, Inc.
Well Muley Fed. Lt #1
Unit 3 Section 26 Township 23S Range 25E
API # 30-015--26975.

Yates _____
T. Salt _____
B. Salt _____
Glorieta _____
Bone Sp. 4904' _____
Abo _____
Wolfcamp _____
Morrow _____
Devonian _____
Fusselman _____
Other T. Delaware - 2098' _____



History
Well was Spool & Drilled 5/30/1992.
Well was Plugged 9/10/1993.

clsf

RECEIVED

Form 3160-5
(June 1990)

SEP 13 8 15 AM '93

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

ARTESIA, NM 88210
RECEIVED

SEP 30 1993

FORM APPROVED
Budget Bureau No. 1004-0135
Expires: March 31, 1993

5. Lease Designation and Serial No.
NM 51073

6. If Indian, Allottee or Tribe Name

7. If Unit or CA, Agreement Designation

NMNM 87873X

8. Well Name and No.
Muley Fed. #1

9. API Well No.
30-015-26975

10. Field and Pool, or Exploratory Area

Dark Canvon Up Penn

11. County or Parish, State

Eddy NM

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to deepen or reentry to a different reservoir.
Use "APPLICATION FOR PERMIT—" for such proposals.

SUBMIT IN TRIPLICATE

1. Type of Well

☐ Oil Well ☒ Gas Well ☐ Other

2. Name of Operator

Collins & Ware, Inc.

3. Address and Telephone No.

303 W. Wall. Ste. 2200 Midland TX 79701

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

J. Sec. 26. T23S. R25E
1433' FSL & 1459' FEL

12. CHECK APPROPRIATE BOX(S) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION
<input type="checkbox"/> Notice of Intent	<input type="checkbox"/> Abandonment
<input checked="" type="checkbox"/> Subsequent Report	<input type="checkbox"/> Recompletion
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Plugging Back
	<input type="checkbox"/> Casing Repair
	<input type="checkbox"/> Altering Casing
	<input checked="" type="checkbox"/> Other P&A
	<input type="checkbox"/> Change of Plans
	<input type="checkbox"/> New Construction
	<input type="checkbox"/> Non-Routine Fracturing
	<input type="checkbox"/> Water Shut-Off
	<input type="checkbox"/> Conversion to Injection
	<input type="checkbox"/> Dispose Water

(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)

9-9-93: Spot 25 sx. cement plug from 5200-5000'. GIH w/ CIBP and set @ 4825'.
9-10-93: Pressure test CIBP to 500#. Circ. hole w/9.5 PPG mud and spot 7 sx.(35') on CIBP. PU and spot 40 sx. cement plug from 2050-1850. 50 sx. cement plug from 356-106, 10 sx. cement plug @ surface. ND BOP, dig out cellar and cutoff wellhead. Weld on dryhole marker.

Final report: well P & A.

Approved as to plugging of the well bore.
Liability under bond is retained until
surface restoration is completed.

Post ID-2
10-15-93
P&A

14. I hereby certify that the foregoing is true and correct

Signed Max Guerry

Title Regulatory Mgr.

Date 9-10-93

(This space for Federal or State office use)

(ORIG. SCD.) 1052.1024

Approved by
Conditions of approval, if any:

Title

Petroleum Engineer

Date

9/28/93

cls

RECEIVED

JUN 19 1992

Form 3160-5
(June 1990)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

O. C. D.
OFFICE OF OIL & GAS

FORM APPROVED
Budget Bureau No. 1004-0135
Expires: March 31, 1993

5. Lease Designation and Serial No.
NM 51073

6. If Indian, Allottee or Tribe Name

7. If Unit or CA Agreement Designation

8. Well Name and No.
Muley Federal

9. API Well No.
1

10. Field and Pool, or Exploratory Area
Horseshoe Bend (Straw)

11. County or Parish, State
Eddy, New Mexico

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to deepen or reentry to a different reservoir.
Use "APPLICATION FOR PERMIT—" for such proposals

SUBMIT IN TRIPLICATE

1. Type of Well

☐ Oil Well ☒ Gas Well ☐ Other

2. Name of Operator

Collins & Ware, Inc.

3. Address and Telephone No.

303 W. Wall, Suite 2200, Midland, Texas 79701

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

1433' FSL & 1459' FEL of Sec. 26, T-23-S, R-25-E

12. CHECK APPROPRIATE BOX(s) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION

☐ Notice of Intent
☒ Subsequent Report
☐ Final Abandonment Notice

TYPE OF ACTION

☐ Abandonment
☐ Recompletion
☐ Plugging Back
☐ Casing Repair
☐ Altering Casing
☒ Other Intermediate Casing
☐ Change of Plans
☐ New Construction
☐ Non-Routine Fracturing
☐ Water Shut-Off
☐ Conversion to Injection
☐ Dispose Water

(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)

A 12.25" hole was drilled to 2050' K.B. on 6/3/92. Full returns were lost while drilling at 920' K.B. The hole was dry drilled to 2050'. A caliper log was run prior to running casing to determine the best possible setting depth for the external casing packer (a copy of Cardinal Wireline field print is enclosed). 9.625" 43.50, 47, and 53.50#/ft., N-80 and S-95 Buttress casing was run and set at 2050' K.B. Top of external casing packer at 828.41' from surface. Top of D.V. tool at 778.08' from surface. Cemented first stage: 475 sacks Halliburton Lite with 1/2#/sk., flocele, 2% CACL2, and 10# Cal-Seal. (2.01 cu.ft./sk. yield, 12.7#/gallon), tailed in with 200 sacks Premium Plus with 2% CACL2, (1.32 cu.ft./sk., 14.8#/gallon weight). Dropped bomb and waited 6 hours, cement did not circulate. Cemented Second Stage: with 275 sacks Halliburton Lite with 1/4# flocele/sk., 4% CACL2, and 6# Gilsonite, (1.84 cu.ft./sk. yield, 12.7#/gallon). Tailed in with 100 sacks Premium Plus with 4% CACL2 and 6# gilsonite (1.32 cu.ft./sk., 14.8#/gallon). Cement did not circulate. Waited on cement for 3.5 hours and ran remperature survey, no cement top. Rig up to one-inch. Ran one inch 10 times with 35 sacks cement each run. Top of cement 686' after tenth run. Cemented with 255 sacks cement, circulated cement to surface. Set slips and nipples up, test to 2400 psig with rig pump. Cemented with a total of 570 sacks cement. Tested BOP, stack, safety valve to 5000 psig, tested hydrill 2000 psig.

NOTE: A cement Bond Log will be conducted on the 9.625" casing prior to running the next casing string.

Witnessed by the BLM

ACCEPTED FOR RECORD

14. I hereby certify that the foregoing is true and correct

Signed [Signature]

Title Agent for Collins & Ware, Inc. Date 6/8/92

(This space for Federal or State office use)

Approved by
Conditions of approval, if any:

Title CARLSBAD, NEW MEXICO Date

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

RECEIVED

JUN 11 1992

O. C. D.
NOTES OFFICE

FORM APPROVED
Budget Bureau No. 1004-0135
Expires: March 31, 1993

5. Lease Designation and Serial No.
NM 51073

6. If Indian, Allottee or Tribe Name

7. If Unit or CA, Agreement Designation

8. Well Name and No.
Muley Federal

9. API Well No.
1

10. Field and Pool, or Exploratory Area
Horseshoe Bend (Strat)

11. County or Parish, State
Eddy, New Mexico

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to deepen or reentry to a different reservoir.
Use "APPLICATION FOR PERMIT—" for such proposals

SUBMIT IN TRIPLICATE

1. Type of Well

☐ Oil Well ☒ Gas Well ☐ Other

2. Name of Operator

Collins & Ware, Inc. ✓

3. Address and Telephone No.

303 W. Wall, Suite 2200, Midland, Texas 79701

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

1433' FSL & 1459' FEL of Sec. 26, T-23-S, R-25-E

12. CHECK APPROPRIATE BOX(s) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION

☐ Notice of Intent
☒ Subsequent Report
☐ Final Abandonment Notice

TYPE OF ACTION

☐ Abandonment
☐ Recompletion
☐ Plugging Back
☐ Casing Repair
☐ Altering Casing
☒ Other Spud & Surface Casing
☐ Change of Plans
☐ New Construction
☐ Non-Routine Fracturing
☐ Water Shut-Off
☐ Conversion to Injection
☐ Dispose Water

(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

McVay Rig No. 10 spudded a 17.5" hole at 7:45 AM May 30, 1992. The 17.5" hole was drilled to a depth of 356' K.B. 13.375" 68, 61, and 54.50*/ft., K55 ST&C casing was run and set at 356' K.B. Cemented with 370 sacks Premium Plus with 2% CACL2 (1.32 cu.ft./sk. yield, 14.8*/gallon). Tailed in with 150 sacks Premium Plus cement with 4% CACL2 (1.32 cu.ft./sk. yield, 14.8*/gallon). Plug down at 7:15 AM May 31, 1992. Circulated 140 sacks cement to reserve pit. Waited on cement 25 hours. Tested well head to 500 psig, and casing to 500 psig, O.K.

Witnessed by the BLM.

14. I hereby certify that the foregoing is true and correct

Signed J. E. Brumby Title Agent for Collins & Ware, Inc. Date 6/8/92

(This space for Federal or State office use)

Approved by [Signature] Title _____ Date _____

Conditions of approval, if any

JUN 9 1992

Operator Corinne Grace
Well Cueva Unit #1
Unit K Section 6 Township 23-S Range 26-E
API # 30-015-2136Z

TOPS

Yates _____
T. Salt _____
B. Salt _____
Glorieta _____
Bone Sp. _____
Abo _____
Wolfcamp 8470'
Morrow 10,900'
Devonian _____
Fusselman _____
Other _____

16" 54# casing set @ 255'

w/490 sxs cl. c.

circ.

11 3/4" 42# casing set @ 1257'

w/490 sxs cl. c.

circ.

8 5/8" 24# 132# casing set @ 4915'

w/540 sxs Hall. Lite, 150 sxs cl. c.

toc - 1180' by Temp. Survey.

= Strawn Perf. 9991'-95' 10,168'-255'

= Morrow Perf. 11,178'-88'

5 1/2" 17# casing set @ 11,618'

w/1350 sxs cl. H.

toc - 6900' by Temp. Survey.

NO. OF COPIES RECEIVED	3
DISTRIBUTION	
SANTA FE	1
FILE	1 ✓
U.S.G.S.	
LAND OFFICE	
OPERATOR	1

NEW MEXICO OIL CONSERVATION COMMISSION

RECEIVED

DEC 26 1974

Form C-103
Supersedes Old
C-102 and C-103
Effective 1-1-65

<p align="center">SUNDRY NOTICES AND REPORTS ON WELLS</p> <p align="center"><small>(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.)</small></p>		<p>5a. Indicate Type of Lease State <input checked="" type="checkbox"/> Fee <input type="checkbox"/></p>
<p>1. OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> OTHER- <input type="checkbox"/></p>		<p>5. State Oil & Gas Lease No. K-4535</p>
<p>2. Name of Operator Corinne Grace</p>		<p>7. Unit Agreement Name Cueva Unit</p>
<p>3. Address of Operator P. O. Box 1418, Carlsbad, New Mexico</p>		<p>8. Farm or Lease Name Cueva Unit</p>
<p>4. Location of Well UNIT LETTER <u>K</u> <u>1980</u> FEET FROM THE <u>South</u> LINE AND <u>1980</u> FEET FROM THE <u>West</u> LINE, SECTION <u>6</u> TOWNSHIP <u>23S</u> RANGE <u>26E</u> NMPM.</p>		<p>9. Well No. 1</p>
<p>10. Field and Pool, or Wildcat Wildcat</p>		
<p>11. Elevation (Show whether DF, RT, GR, etc.)</p>		<p>12. County Eddy</p>

Check Appropriate Box To Indicate Nature of Notice, Report or Other Data
NOTICE OF INTENTION TO:

SUBSEQUENT REPORT OF:

PERFORM REMEDIAL WORK <input type="checkbox"/>	PLUG AND ABANDON <input type="checkbox"/>	REMEDIAL WORK <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
TEMPORARILY ABANDON <input type="checkbox"/>	CHANGE PLANS <input type="checkbox"/>	COMMENCE DRILLING OPNS. <input type="checkbox"/>	PLUG AND ABANDONMENT <input type="checkbox"/>
FULL OR ALTER CASING <input type="checkbox"/>	OTHER <input type="checkbox"/>	CASING TEST AND CEMENT JOBS <input checked="" type="checkbox"/>	OTHER <input type="checkbox"/>

17. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work) SEE RULE 1103.

11/26/74 Cemented 255' of 16" 54# surface casing with 490 sacks Class "C" w/2% Cal. Cl. circulated to surface. Pumped 16" wooden plug down at 8:38 a.m.
W.O.C. 24 hours

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

SIGNED Francis R. Jones TITLE Agent DATE 12/20/74

APPROVED BY W. A. Grossett TITLE SUPERVISOR, DISTRICT II DATE JAN 16 1975

CONDITIONS OF APPROVAL, IF ANY:

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OPERATOR	1

NEW MEXICO OIL CONSERVATION COMMISSION

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JUN 16 1975

Form C-103
Supersedes Old
C-102 and C-103
Effective 1-1-65

5a. Indicate Type of Lease State <input checked="" type="checkbox"/> Fee <input type="checkbox"/>
5. State Oil & Gas Lease No. K-4535
7. Unit Agreement Name Cueva Unit
8. Farm or Lease Name Cueva Unit
9. Well No. 1
10. Field and Pool, or Wildcat Wildcat Indefinite
12. County Eddy

SUNDRY NOTICES AND REPORTS ON WELLS

O. C. C.

ARTESIA OFFICE

(DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN OR PLUG BACK TO A DIFFERENT RESERVOIR. USE APPLICATION FOR PERMIT TO DRILL (FORM C-101) FOR SUCH PROPOSALS.)

OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> OTHER <input type="checkbox"/>
1. Name of Operator Corinne Grace
2. Address of Operator P. O. Box 1413, Carlsbad, New Mexico 88220
4. Location of Well UNIT LETTER <u>K</u> <u>1980</u> FEET FROM THE <u>South</u> LINE AND <u>1980</u> FEET FROM THE <u>West</u> LINE, SECTION <u>6</u> TOWNSHIP <u>23S</u> RANGE <u>26E</u> NMPM.
15. Elevation (Show whether DF, RT, GR, etc.) 3418.7

Check Appropriate Box To Indicate Nature of Notice, Report or Other Data

NOTICE OF INTENTION TO:

SUBSEQUENT REPORT OF:

PERFORM REMEDIAL WORK <input type="checkbox"/>	PLUG AND ABANDON <input type="checkbox"/>	REMEDIAL WORK <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
TEMPORARILY ABANDON <input type="checkbox"/>	CHANGE PLANS <input type="checkbox"/>	COMMENCE DRILLING OPNS. <input type="checkbox"/>	PLUG AND ABANDONMENT <input type="checkbox"/>
PULL OR ALTER CASING <input type="checkbox"/>	OTHER <input type="checkbox"/>	CASING TEST AND CEMENT JOB <input checked="" type="checkbox"/>	OTHER <input type="checkbox"/>

17. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work) SEE RULE 1733.

Ran and set 11 3/4" 12#/ft. H-40 ST&C Casing Range 3 at 1257'
Cemented with 515 sks. Class "C" cement, 11 sks. CaCl.
Set first plug @ 788 ft. w/50 sacks, Second plug @ 788' w/50 sks, third plug @ 788' w/50 sks.
Set Fourth plug @ 608' w/50 sks, set Plug 5 @ 400 ft. w/50 sks, Set Plug #6 @ 355 ft. 50 sks.
Set last plug @ 355 to surface 150 sks. Rec. full returns (circulated). WOC 24 hrs.

NOTE: Cemented water flow and boulders prior to running 11 3/4" casing by displacing 5 cement plugs from 402' to 230'. Tested below 16" casing at 270' with 250 psi. Drilled out cement plugs, lost circulation. Plugs held.

See attached Field Report.

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

SIGNED Corinne Grace TITLE Agent DATE 6/13/75

APPROVED BY W. A. Gressett TITLE SUPERVISOR, DISTRICT II DATE JUN 18 1975

CONDITIONS OF APPROVAL, IF ANY:

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CUEVA UNIT # 1
SECTION 6, T23S, R26E
EDDY COUNTY, NEW MEXICO

OCT 9 1974

O. C. C.
ARTESIA, OFFICE

September 14, 1974	Spudded at 9:00 a.m. with Abbott Bros. Rat hole and drilled to a depth of 30'-24" hole. Abbott Bros. Drilling Co. on location and ready to set up at 1:30 p.m. Abbott Bros. rigged up and set conductor pipe to a depth of 30'.
September 15, 1974	Drilling out from under pipe.
September 16, 1974	Mudding hole and drill to 32'.
September 17, 1974	Drilled from 32' to 40'.
September 18, 1974	Drilled from 40' to 50' in clay.
September 19, 1974	Drilled from 50' to 60' in clay. 16" hole.
September 20, 1974	Drilled from 60' to 64' in clay. 16" hole.
September 21, 1974	Drilled from 64' to 67' in clay. " "
September 22, 1974	Drilled from 67' to 70' in clay. " "
September 23, 1974	Rained out.
September 24, 1974	Tried to get into location and could not due to rain.
September 25, 1974	Tried to get into location and got stuck.
September 26, 1974	Drilled from 70' to 73' in red clay.
September 27, 1974	Drilled from 73' to 78' in red clay.
September 28, 1974	Drilled from 78' to 83' in red clay.
September 29, 1974	Drilled from 83' to 88' in red clay.
September 30, 1974	Drilled from 88' to 95' in red clay.
October 1, 1974	Drilled from 95' to 105' in red clay.
October 2, 1974	Drilled from 105' to 115' in red clay.
October 3, 1974	Drilled from 115' to 120' in limestone.
October 4, 1974	Drilled from 120' to 125' in limestone.
October 5, 1974	Drilled from 125' to 130' in clay.
October 6, 1974	Drilled from 130' to 135' in limestone.

CUEVA UNIT # 1
SECTION 6, T23S, R26E
EDDY COUNTY, NEW MEXICO

October 7, 1974	Drilled from 135' to 142' in limestone.
October 8, 1974	Drilled from 142' to 157' in limestone.
October 9, 1974	Drilled from 157' to 166' in limestone.
October 10, 1974	Drilled from 166' to 175' in limestone.
October 11, 1974	Drilled from 175' to 182' in limestone.
October 12, 1974	Drilled from 182' to 192' in limestone.
October 13, 1974	Drilled from 192' to 201' in limestone.
October 14, 1974	Couldn't get into location due to rain.
October 15, 1974	Drilled from 201' to 212' in limestone.
October 16, 1974	Move rig off to finish location.
October 17, 1974	Building location.
October 18, 1974	Still building location.
October 19, 1974	Still building location.
October 20, 1974	Still building location.
October 21, 1974	Finish building location.
October 22, 1974	Couldn't get into location.
October 23, 1974	Couldn't get into location.
October 24, 1974	Couldn't get into location.
October 25, 1974	Couldn't get into location.
October 26, 1974	Move rig back on location and started drilling and drilled to 221'.
October 27, 1974	Drilled from 221' to 230'.
October 28, 1974	Drilled from 230' to 235' in limestone,
October 29, 1974	Drilled from 235' to 245' in limestone. 16" hole.
October 30, 1974	Drilled from 245' to 254' in limestone. 16" hole.
October 31, 1974	Drilled from 254' to 265' in limestone.
November 1, 1974	Hole caving in and cleaning out.
November 2, 1974	Cleaning out and drilled from 265' to 267' in rock.
November 3, 1974	Cleaning out and drilled from 267' to 268' in rock.

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NOV 6 1974

O. C. C.
ARTESIA, OFFICE

GUEVA UNIT # 1
SECTION 6, T23S, R26E
EDDY COUNTY, NEW MEXICO

November 30, 1974	Drilled 260' to 265' in lime, 15½" hole.
December 1, 1974	Drilled 265' to 270' in lime.
December 2, 1974	Drilled 270' to 275' in lime.
December 3, 1974	Drilled 275' to 281' in lime.
December 4, 1974	Drilled 281' to 285' in lime.
December 5, 1974	Drilled 285' to 289' in lime.
December 6, 1974	Drilled 289' to 291' in lime.
December 7, 1974	Drilled 291' to 296' in lime.
December 8, 1974	Drilled 296' to 300' in lime.
December 9, 1974	Drilled 300' to 305' in lime and gyp.
December 10, 1974	Drilled 305' to 306' in lime and gyp.
December 11, 1974	Drilled 306' to 309' in lime and gyp.
December 12, 1974	Drilled 309' to 312' 16½ inch hole.
December 13, 1974	Drilled 312' to 316' in lime and gyp.
December 14, 1974	Drilled 316' to 320' in lime and gyp.
December 15, 1974	Drilled 320' to 325' in lime and gyp.
December 16, 1974	Drilled 325' to 330' in lime and gyp.
December 17, 1974	Drilled from 330' to 334' in lime and gyp.
December 18, 1974	Drilled from 334' to 339' in lime and gyp.
December 19, 1974	Drilled from 339' to 345' lime in gyp.
December 20, 1974	345' to 350' lime in gyp.
December 21, 1974	Drilled from 350' to 355' lime in anhydrite.
December 22, 1974	Drilled from 355' to 360' lime in anhydrite.
December 23, 1974	Drilled from 360' to 365' lime in anhydrite.
December 24, 1974	Drilled from 365' to 371' lime in anhydrite.
December 25, 1974	Shut down.
December 26, 1974	Drilled from 371' to 375' lime in anhydrite.

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DEC 30 1974

G. C. C.
ARTESIA, OFFICE

GUEVA UNIT #1
SECTION 6, T23S, R26E
Eddy County, New Mexico

December 27, 1974 Drilled from 375' to 378' lime and anhydrite.
December 28, 1974 Drilled from 378' to 380' lime and anhydrite.
December 29, 1974 Drilled from 380' to 382' lime and anhydrite.
December 30, 1974 Drilled from 382' to 385' lime and anhydrite.
December 31, 1974 Drilled from 385' to 387' lime and anhydrite.
January 1, 1975 Drilled from 387' to 390' lime and anhydrite.
January 2, 1975 Drilled from 390' to 393' lime and anhydrite.
January 3, 1975 Drilled from 393' to 395' lime and gyp. (problems with hole caving.)
January 4, 1975 Drilled from 395' to 397' lime and gyp. (problems with hole caving.)
January 5, 1975 Drilled from 397' to 400' lime and gyp. (problems with hole caving.)
January 6, 1975 Drilled from 400' to 403' lime and gyp.
January 7, 1975 Drilled from 403' to 406' lime and gyp.
January 8, 1975 Cleaning out.
January 9, 1975 Cleaning out.
January 10, 1975 Drilled from 406' to 408' lime and gyp.
January 11, 1975 Drilled from 408' to 410' lime and gyp.
January 12, 1975 Drilled from 410' to 412' lime and gyp.
January 13, 1975 Drilled from 412' to 414' lime and gyp.
January 14, 1975 Drilled from 414' to 417' lime and gyp.
January 15, 1975 Drilled from 417' to 420' lime and gyp.
January 16, 1975 Drilled from 420' to 423' lime and gyp.
January 17, 1975 Cleaning out.
January 18, 1975 Cleaning out.
January 19, 1975 Cleaning out.
January 20, 1975 Cleaning out.
January 21, 1975 Cleaning out.
January 22, 1975 Cleaning out.
January 23, 1975 Cleaning out.

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JAN 27 1975

G. I. E.

Geologic Office

CUEVA UNIT #1
SECTION 6, T23S, R26E
EDDY COUNTY, NEW MEXICO

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JUN 11 1975

O. C. C.
ARTESIA, OFFICE

May 30, 1975

From 230 to 384 Cement 2 hrs. W.O.C. tagged top of Cement @250
6 hrs. drlg cement From 384 to 1020 3½ hrs. Drlg cement &
sand bridge 2 hrs. Trip F/DC 2½ hrs. Drlg & Wash down 800' to 1020
From 1020' to 1171' Dept. 1130' Dev. 2° 3½ hr. finish wast to
bottom 6 hrs. drlg ¼ hr. Survey ¾ hr. drlg ¼ hr. pull out
to mix mud.

May 31, 1975

From 1171 to 1201 3½ hrs. mixing mud trip in hole ½ hr. drlg
½ hr. pull out to mix mud ¾ hrs. mix mud & trip in hole ½ hr. d
From 1201 to 1257 ¼ hr. Pull 3sks D.P. 2½ hrs. Mix mud & Trip
in hole 3 ¾ hrs. drlg 1½ hrs. circ. From 1257 Dept. 1257 Dev.
Pump Mud slug in hole ¾ hrs. ¾ hrs. trip out to run csng
4½ hrs. rig up & run Csng ½ hr. rig up Halliburton & break circ.
¾ hrs. cementing CSNG ¾ hr. W.O.C. Plug down @ 10:15 p.m.

June 1, 1975

From 1257 8 hrs. W.O.C. & Ran temp. survey
3 hrs. W.O.C. 5 hrs. Work 1½" pipe by 11 ¾ CSG
3 hrs. working 1½" pipeby CSNG ½ hr. Break circ. & cementing
3 hrs. WOC ½ hr. cementing 1 hr. WOC

June 2, 1975

From 1257 3 hrs. WOC ½ hr. pump cement down Plug down 2:30
2 hrs. WOC ½ hr. Pump cement plug down 2 hrs. WOC 1 hr. WOC
½ hr. Pump Cement down 1½ pipe 3 hrs. WOC ½ hr. Pump Cement
3 hrs. WOC 4 hrs. Finish cementing 4 hrs. WOC cut pipe off
weld head start to put B.O.P. on.

June 3, 1975

From 1257' Finish nipping up Go in hole W/5 DC & DP to drill Plug
Test 11 ¾ CSG W/900 lbs. OK Drill Cement Plug & shoe joint
From 1257' to 1335' in anhy. & Lime 2 hrs. Drlg Cement & Shoe Jr.
½ hr. Drlg 1 ¾ hrs. Trip Fl D.C. & Two stb 3 ¾ hrs. Drlg
2 hrs. Co time W/DP
From 1335' to 1476' in anhy & lime 4 hrs. Drlg. 1 hr. tighten
unions & Swivl & hose 3 hrs. drlg.

June 4, 1975

From 1476' to 1630' in anhy. & lime 8 hrs. drlg
From 1630' to 1780' in lime Depth. 1650' Dev. 1½° ¾ hrs. Drlg
½ hr. totco 6½ hrs. Drlg. From 1780' to 1876 in lime Depth. 1870'
Dev. 1° 4 hrs. drlg 3½ hrs. trip lay down reamers change 1 barrel
½ hrs. drlg

June 5, 1975

From 1876 to 2072' in lime 8 hrs. Drilling
From 2072 to 2202 in lime 1 hr. drilling 2 hrs. Repair air line
& Relined M+r Clutch 5 hrs. Drilling
From 2202 to 2415 in lime Depth. 2353' Dev. ¾°
7½ hrs. drilling ¼ hr. Survey ½ hr. drilling.

June 6, 1975

From 2415 to 2694 in lime 8 hrs. drilling
From 2694 to 2970 in lime 5½ hrs. drilling ½ hr. Totco 2 hrs. Dril
From 2970 to 3270 in lime 8 hrs. drilling.

June 7, 1975

From 3270 to 3517 Depth 3335 Dev. ¾° 2 hrs. drilling ½ hr. Dev
Survey on W.H. 5½ hrs. drilling From 3517 to 3711 in lime 8 hrs.
From 3711 to 3887 in lime Depth 3905 Dev. ½° 6½ hrs. drilling
¼ hr. survey 2½ hrs. drilling

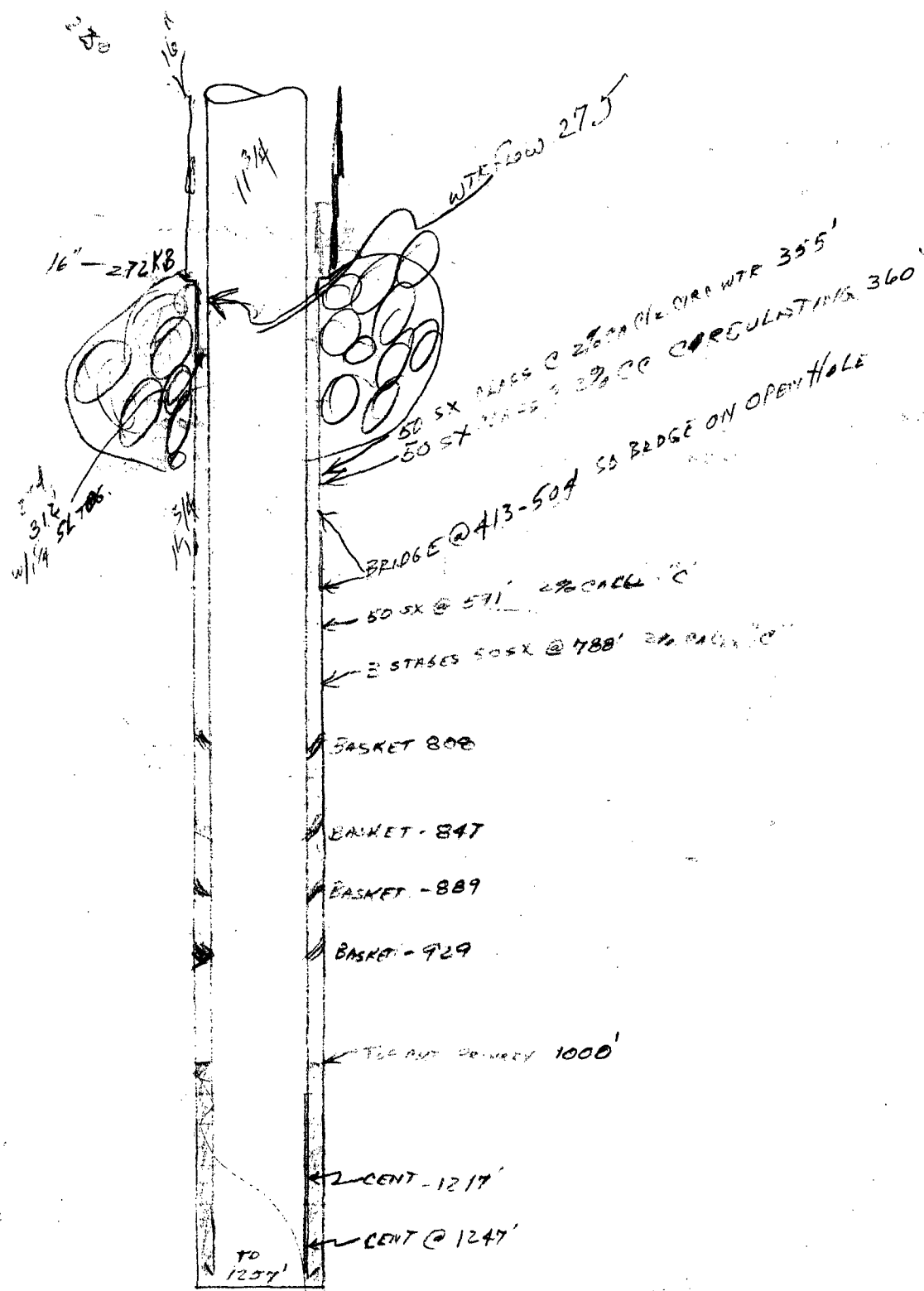
NEW MEXICO OIL CONSERVATION COMMISSION
DRAWER DD
ARTESIA, NEW MEXICO

FIELD REPORT FOR CEMENTING OF WELLS

Operator <u>Crescent Grace</u>		Lease <u>Crescent Unit</u>		Well # <u>1</u>	
Location of Well	Unit <u>K</u>	Section <u>6</u>	Township <u>23</u>	Range <u>26</u>	County <u>Eddy</u>
Drilling Contractor	Type of Equipment <u>Abbot/Bur. CT</u>				
<u>APPROVED CASING PROGRAM</u>					
Size of Hole	Size of Casing	Weight Per Foot	New or Used	Depth	Sacks Cement
<u>20"</u>	<u>16"</u>	<u>65</u>		<u>100</u>	<u>200</u>
<u>12 3/4"</u>	<u>9 5/8"</u>	<u>36</u>		<u>2660</u>	<u>1735 circ.</u>
<u>8 1/2"</u>	<u>5 1/2"</u>	<u>135-17</u>		<u>11500</u>	<u>700</u>
Casing Data: <u>K.B. TO G.L. 182 FT.</u>					
INTER <u>54</u> joints of <u>11 3/4</u> inch <u>42</u> # Grade <u>H-40. ST&C, NEW API</u>					
RANGE <u>3</u> (Approved) (Rejected)					
Inspected by <u>Leon Bergstrom</u> date <u>5-31-75</u>					
Cementing Program					
Size of hole <u>14 3/4</u> Size of Casing <u>11 3/4</u> Sacks cement required <u>545 cu/ft</u>					
Type of Shoe used <u>GUIDE</u> Float collar used <u>INSERT</u> Btm <u>2</u> its welded <u>YES</u>					
TD of hole <u>1257 KB</u> Set Feet of <u>11 3/4</u> inch <u>42</u> # Grade <u>H-40. ST&C, NEW API R-3</u>					
New-used csg. @ <u>1257 KB</u> with <u>100</u> sacks neat cement around shoe <u>280 cu/ft</u>					
@ <u>415</u> sack <u>5 # 615</u> additives <u>276 cu/ft</u>					
Plug down @ <u>10¹³</u> (AM) (PM) Date <u>5-31-75</u>					
Cement circulated <u>No</u> No. of Sacks					
Cemented by <u>Howe</u> Witnessed by <u>Leon Bergstrom</u>					
Temp. Survey ran @ <u>4⁴⁵</u> (AM) (PM) Date <u>6-1-75</u> top cement @ <u>1000'</u>					
Casing test @ (AM) (PM) Date					
Method Used Witnessed by					
Checked for shut off @ (AM) (PM) Date					
Method used Witnessed by					
Remarks: <u>16" x 65" SET @ 272' K.B. CMTD TO SURFACE</u>					
<u>11 3/4" CMT @ 1247' & 1217' - BASKETS @ 929, 889, 847 & 808</u>					

TAS BOTTOM W/TEMP BOMB @ 1189' @ 5:10 AM 6-1-75
STAGE CEMENT DOWN 1.9 TBS IN 11 3/4" X 12 3/4" ANNULUS AS FOLLOWS

- #1- 50 SX CLASS C 2% CaCl₂ @ 788' IN PLACE @ 6:20 PM 6-1-75
- #2- 50 SX " " " " @ 788' " " " " 10:10 PM 6-1-75
- #3- 50 SX " " " " @ 788' " " " " 2:30 AM 6-2-75 (PROCEED W/10 EELS LATER)
- #4- 50 SX " " " " @ 591' " " " " 5:20 AM 6-2-75 (" " " ")
- #5- 50 SX " " " " @ 360' " " " " 8:20 AM 6-2-75 (HAD WTR RETURNS TO SURF)
- #6- 50 SX " " " " @ 355' " " " " 11:50 AM 6-2-75 (" " " ")
- #7- 50 SX " " " " @ 322' " " " " 3:15 PM 6-2-75 (10 EXENT TO FIT)
- #7- 120 SX " " " " " " " " CMT DEEPENING SLOWLY, AFTER DEEPENING PLUG



NEW MEXICO OIL CONSERVATION COMMISSION
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ARTESIA, NEW MEXICO

FIELD REPORT FOR CEMENTING OF WELLS

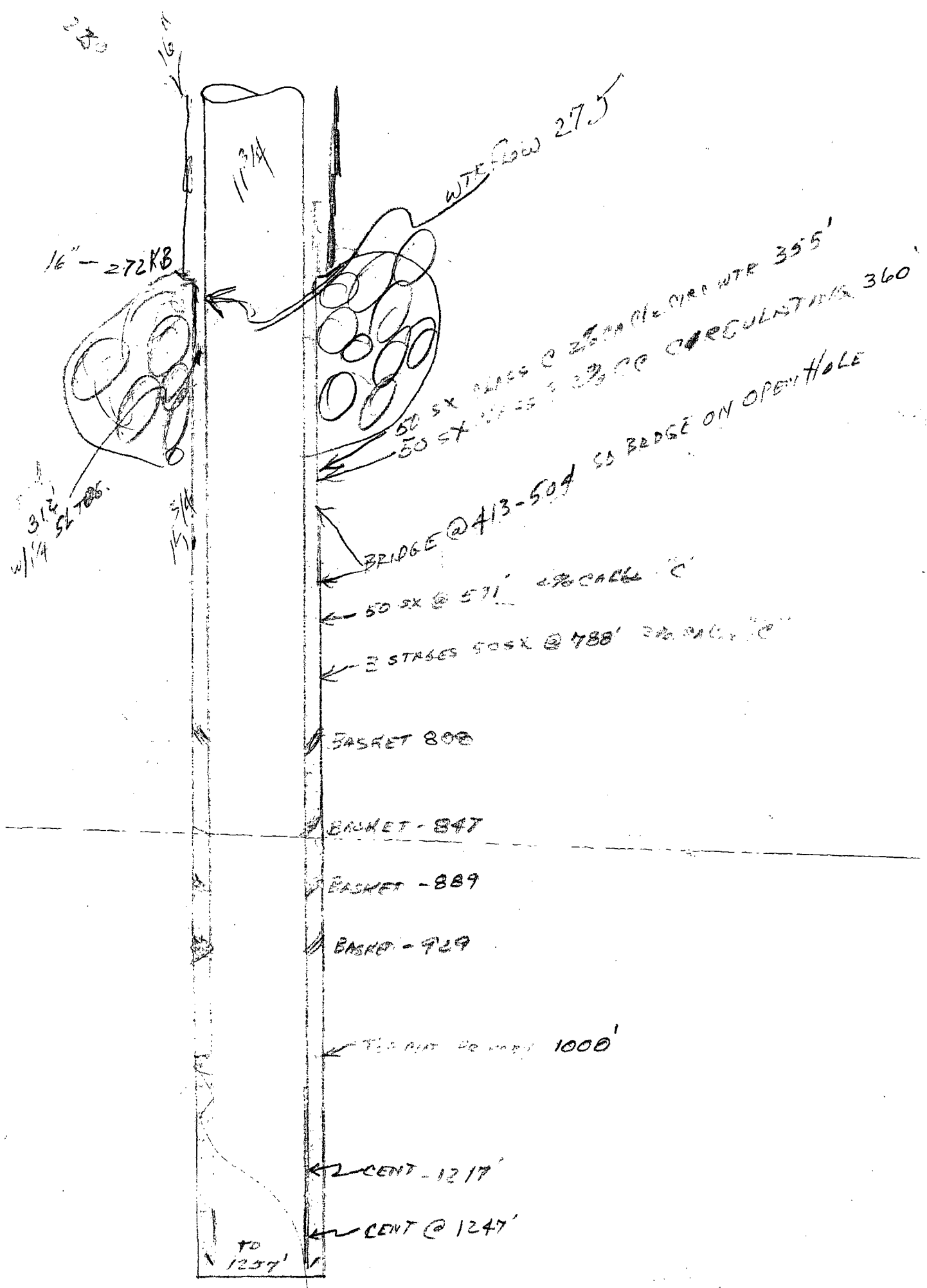
Operator <u>Cerrone Bros</u>		Lease <u>Cueva Unit</u>		Well # <u>1</u>	
Location of Well	Unit <u>K</u> <u>19805+W</u>	Section <u>6</u>	Township <u>23</u>	Range <u>26</u>	County <u>Eddy</u>
Drilling Contractor			Type of Equipment <u>Abell/Bon. CT</u>		
APPROVED CASING PROGRAM					
Size of Hole	Size of Casing	Weight Per Foot	New or Used	Depth	Sacks Cement
<u>20"</u>	<u>16"</u>	<u>65</u>		<u>100</u>	<u>200</u>
<u>12 1/4"</u>	<u>9 5/8"</u>	<u>36</u>		<u>2660</u>	<u>1735 cwt.</u>
<u>8 1/2"</u>	<u>5 1/2"</u>	<u>13.5-17</u>		<u>11500</u>	<u>700</u>
Casing Data: <u>KB TO G.L. 18 1/2 FT.</u>					
<u>INTER</u> <u>54</u> joints of <u>11 3/4</u> inch <u>42</u> # Grade <u>H-40. ST&C, NEW API</u>					
<u>RANGE 3</u> (Approved) (Rejected)					
Inspected by <u>Leon Bergstrom</u> date <u>5-31-75</u>					
Cementing Program					
Size of hole <u>14 3/4</u> Size of Casing <u>11 3/4</u> Sacks cement required <u>545 cwt/ft</u>					
Type of Shoe used <u>GUIDE</u> Float collar used <u>IN-SERT</u> Btm <u>2</u> jts welded <u>YES</u>					
TD of hole <u>1257 KB Set</u> Feet of <u>11 3/4</u> inch <u>42</u> # Grade <u>H-40. ST&C, NEW API R-3</u>					
New-used csg. @ <u>1257 KB</u> with <u>100</u> sacks neat cement around shoe <u>2 1/2 cwt/ft</u>					
<u>4 1/2</u> sax <u>5 1/2</u> additives <u>2 1/2 cwt/ft</u>					
Plug down @ <u>10 1/2</u> (AM) (PM) Date <u>5-31-75</u>					
Cement circulated <u>NO</u> No. of Sacks					
Cemented by <u>Howe</u> Witnessed by <u>Leon Bergstrom</u>					
Temp. Survey ran @ <u>4 1/2</u> (AM) (PM) Date <u>6-1-75</u> top cement @ <u>1000'</u>					
Casing test @ (AM) (PM) Date					
Method Used Witnessed by					
Checked for shut off @ (AM) (PM) Date					
Method used Witnessed by					
Remarks: <u>16" X 65' SET @ 272' KB. CMTD TO SURFACE</u>					
<u>11 3/4" CEMENT @ 1247' & 1217' - BASKETS @ 929, 889, 847 & 808</u>					

TAG BOTTOM W/ TEMP SIGHT @ 1189' - 510 AM 6-1-75

STAGE CEMENT DOWN 1.9 TBS IN 11 3/4 X 1 1/2 ANGULO'S AS FOLLOWS

- | | |
|--|--|
| #1- 50 SX CLASS C 2% CMC @ 788' IN PLACE @ 620 PM 6-1-75 | 1010 PM 6-1-75 |
| #2- 50 SX " " " @ 788' " " " " " " " " " " " " | 2 30 AM 6-2-75 (PREPARED W/ 10 BBS LENS & TUB) |
| #3- 50 SX " " " @ 788' " " " " " " " " " " " " | 5 30 AM 6-2-75 (" " " " " " " " " " ") |
| #4- 50 SX " " " @ 591' " " " " " " " " " " " " | 8 30 AM 6-2-75 (HAD WTR RETURNS TO SURF) |
| #5- 50 SX " " " @ 360' " " " " " " " " " " " " | 11 50 AM 6-2-75 (" " " " " " " " " " ") |
| #6- 50 SX " " " @ 355' " " " " " " " " " " " " | 3 15 PM 6-2-75 (10X SENT TO RT) |
| #7- 120 SX " " " @ 322' " " " " " " " " " " " " | |

CMT DEPARTING SURFACE 10:00 AM 6-2-75



**NEW MEXICO OIL CONSERVATION COMMISSION
FIELD TRIP REPORT**

I N S P E C T I O N	C L A S S I F I C A T I O N	F A C I L I T Y	H O U R S	Q U A R T E R
				H O U R S

Name B. W. Weaver Date 2-25-85 Miles _____ District II
 Time of Departure _____ Time of Return _____ Car No. 659

In the space below indicate the purpose of the trip and the duties performed, listing wells or leases visited and any action taken.

Signature _____

1 well O- 7-23-26 Exxon Corp Newman #1 (P+H) Set
 Cast Iron Bridge Plug @ 4200 Test Casing to 1000 PSI would Not Hold
 Ran 2nd CIBP Set at 4164 and Test to 1000 PSI Would Not Hold
 Put 10 SX Cement on Top of Bridge Plug Let Set

2-26-85

Test Casing to 1000 PSI Would Not Test Ran Packer and Found
 Hole @ 3495 Squeezed with 50 SX Class C 2% CC

2-27-85

Pressured up on Squeeze Job Test to 1000 PSI O.K. Pulled Packer
 Perforated casing @ 2535 Tried to Circulate Could Not Set 20 SX
 Class C 2% CC Tagged @ 2304 Perforated @ 1320 Circulated
 With Mud to Surface with mud and spotted 30 SX Class C 3% CC. Perforated
 @ 50 Ft and Circ Cement to Surface

Mileage

UIC _____

RFA _____

Other _____

Per Diem

UIC _____

RFA _____

Other _____

Hours

UIC _____

RFA _____

Other _____

**TYPE INSPECTION
PERFORMED**

II - Housekeeping
 P - Plugging
 C - Plugging Cleanup
 T - Well Test
 R - Repair/Workover
 F - Waterflow
 M - Mishap or Spill
 W - Water Contamination
 O - Other

**INSPECTION
CLASSIFICATION**

U - Underground Injection Control - Any inspection of or related to injection project, facility, or well or resulting from injection into any well. (SWD, 2ndry injection and production wells, water flows or pressure tests, surface injection equipment, plugging, etc.)
 R - Inspections relating to Reclamation Fund Activity
 O - Other - Inspections not related to injection or The Reclamation Fund

E - Indicates some form of enforcement action taken in the field (show immediately below the letter U, R or O)

**NATURE OF SPECIFIC WELL
OR FACILITY INSPECTED**

D - Drilling
 P - Production
 I - Injection
 C - Combined prod. inj. operations
 S - SWD
 U - Underground Storage
 G - General Operation
 F - Facility or location
 M - Meeting
 O - Other

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	GAS /
OPERATOR	/
PRORATION OFFICE	

NEW MEXICO OIL CONSERVATION COMMISSION
REQUEST FOR ALLOWABLE
AND
AUTHORIZATION TO TRANSPORT OIL AND NATURAL GAS

Form C-104
 Supersedes Old C-104 and
 Effective 1-1-65

RECEIVED

MAR - 1 1978

Operator Hanagan Petroleum Corporation ✓	
Address P.O. Box 1737, Roswell, New Mexico 88201	
Reason(s) for filing (Check proper box)	
New Well <input type="checkbox"/>	Change in Transporter of:
Recompletion <input checked="" type="checkbox"/>	Oil <input type="checkbox"/> Dry Gas <input type="checkbox"/>
Change in Ownership <input type="checkbox"/>	Casinghead Gas <input type="checkbox"/> Condensate <input type="checkbox"/>
Other (Please explain)	

If change of ownership give name and address of previous owner

O. C. C.
ARTESIA, OFFICE

II. DESCRIPTION OF WELL AND LEASE

Lease Name Newman	Well No. 1	Pool Name, Including Formation BrynesTank-Middle Delaware Gas	Kind of Lease State, Federal or Fee State	Lease No. K 4761-3
Location Unit Letter '0 ; 2300 Feet From The East Line and 660' Feet From The South				
Line of Section 7 Township 23 South Range 26 East. , NMPM, Eddy County				

III. DESIGNATION OF TRANSPORTER OF OIL AND NATURAL GAS

Name of Authorized Transporter of Oil <input type="checkbox"/> or Condensate <input checked="" type="checkbox"/>	Address (Give address to which approved copy of this form is to be sent)
Navajo Crude Oil Purchasing Company	P.O. Box 175, Artesia, New Mexico 88210
Name of Authorized Transporter of Casinghead Gas <input type="checkbox"/> or Dry Gas <input checked="" type="checkbox"/>	Address (Give address to which approved copy of this form is to be sent)
Transwestern Pipeline Company	P.O. Box 2521, Houston, Texas 77001
If well produces oil or liquids, give location of tanks.	Unit Sec. Twp. Rge. Is gas actually connected? When
	0 7 23S 26E Yes 3-31-78

If this production is commingled with that from any other lease or pool, give commingling order number:

IV. COMPLETION DATA

Designate Type of Completion - (X)	Oil Well	Gas Well	New Well	Workover	Deepen	Plug Back	Same Res'v.	Diff. Res'v.
		<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>
Date Spudded 2/15/75	Date Compl. Ready to Prod. 5/23/77	Total Depth 11,625'	P.B.T.D. 4620 (Temp.)					
Elevations (DF, RKB, RT, GR, etc.) 3454 KB	Name of Producing Formation Middle Delaware	Top Oil/Gas Pay 4247	Tubing Depth 4098					
Perforations 4247-56	Depth Casing Shoe 4920							
TUBING, CASING, AND CEMENTING RECORD								
HOLE SIZE	CASING & TUBING SIZE	DEPTH SET	SACKS CEMENT					
20"	16"	96	180					
14 3/4" & 12 1/4"	9 5/8"	2480	1050					
8 1/2"	4 1/2"	4920	675					
	2 3/8"	4098						

V. TEST DATA AND REQUEST FOR ALLOWABLE OIL WELL

(Test must be after recovery of total volume of load oil and must be equal to or exceed top allowable for this depth or be for full 24 hours)

Date First New Oil Run To Tanks	Date of Test	Producing Method (Flow, pump, gas lift, etc.)	
Length of Test	Tubing Pressure	Casing Pressure	Choke Size
Actual Prod. During Test	Oil-Bbls.	Water-Bbls.	Gas-MCF

*Posted
4/3/78
add
GT-TWP*

GAS WELL

Actual Prod. Test-MCF/D CAOF 4044.4	Length of Test 4 hrs.	Bbls. Condensate/MMCF	Gravity of Condensate
Testing Method (pitot, back pr.)	Tubing Pressure (shut-in)	Casing Pressure (shut-in)	

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SANTA FE	<input checked="" type="checkbox"/>
FILE	<input checked="" type="checkbox"/>
U.S.G.S.	
LAND OFFICE	
OPERATOR	<input checked="" type="checkbox"/>

OIL CONSERVATION DIVISION
 P. O. BOX 2088
 SANTA FE, NEW MEXICO 87501
JUL 27 1984
 O. C. D.
 ARTESIA, OFFICE

Form C-103
Revised 10-1-

5a. Indicate Type of Lease	
State <input checked="" type="checkbox"/>	Fee <input type="checkbox"/>
5. State Oil & Gas Lease No.	
K 4761-3	

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. <input checked="" type="checkbox"/> OIL WELL <input type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER-	7. Unit Agreement Name
2. Name of Operator EXXON CORPORATION ✓	8. Farm or Lease Name NEWMAN STATE
3. Address of Operator Box 1600, MIDLAND, TEXAS 79702	9. Well No. 1
4. Location of Well UNIT LETTER <u>O</u> <u>2300</u> FEET FROM THE <u>EAST</u> LINE AND <u>660</u> FEET FROM THE <u>SOUTH</u> LINE, SECTION <u>7</u> TOWNSHIP <u>23S</u> RANGE <u>26E</u> NMPM.	10. Field and Pool, or Whidcat BRYNES TANK DELAWARE
15. Elevation (Show whether DF, RT, GR, etc.) 3438 GR	12. County EDDY

16. Check Appropriate Box To Indicate Nature of Notice, Report or Other Data

NOTICE OF INTENTION TO:

PERFORM REMEDIAL WORK ☐
 TEMPORARILY ABANDON ☐
 PULL OR ALTER CASING ☐

PLUG AND ABANDON ☒
 CHANGE PLANS ☐

OTHER ☐

SUBSEQUENT REPORT OF:

REMEDIAL WORK ☐
 COMMENCE DRILLING OPS. ☐
 CASING TEST AND CEMENT JOB ☐
 OTHER ☐

ALTERING CASING ☐
 PLUG AND ABANDONMENT ☐

17. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work) SEE RULE 1703. 95% @ 2500'

- PULL RODS AND PUMP TEST BOP TO 2000 PSI. PULL TBG.
- SET CIRP AT 4200' - CAP W/100' CMT. PRESSURE TEST CSG TO 1000 PSI.
- PERF CSG @ 2535' W/4SPF. RIH W/OPEN ENDED TBG TO PBTD (4100'). CIRC 4 1/2" CSG AND 4 1/2" X 9 5/8" ANNULUS W/9.5 PPG (MIN) BRINE WATER CONTAINING 25-100 LB SACK SALT GEL PER 100 bbl. (APPROX VOL IS 200 bbl.)
- PULL TBG TO 2535'. ESTABLISH CIRC THROUGH TBG ANNULUS @ CSG X CSG ANNULUS. SPOT A 30 SX PLUG OF CMT (CLASS C, 3% CACL2) BY BALANCED PLUG METHOD. WOC. PRESSURE TEST PLUG TO 500 PSI.
- PERF CSG @ 1320' AND @ 50' W/4SPF. RIH W/OPENED TBG TO TAG TO C. CM FIRST PLUG (SHOULD BE 2435' MIN. OTHERWISE SPOT CMT TO MAKE UP THE DIFFERENCE) PULL TBG TO 1320' AND SPOT A 30 SX PLUG OF CLASS C, 3% CACL2, BY BALANCED PLUG METHOD. KEEP BOTH ANNULI OPEN. PULL TBG TO 50' AND CIRC CMT TO SURFACE FOR FINAL PLUG.
- CUT WELLHEAD OFF AND INSTALL PERMANENT DRY HOLE MARKER. CLEAN AND LEVEL LOCATION.

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

SIGNED D. H. Jones TITLE SR ADMIN. DATE 7-26-84

APPROVED BY ORIGINAL SIGNED BY LARRY BROOKS TITLE JUL 21 1984 DATE JUL 31 1984
 GEOLOGIST - NMCOO
 CONDITIONS OF APPROVAL, IF ANY

NO. OF COPIES RECEIVED	3
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NEW MEXICO OIL CONSERVATION COMMISSION

RECEIVED

JUL 8 1975

Form C-103
Supersedes Old
C-102 and C-103
Effective 1-1-65

5a. Indicate Type of Lease	
State <input checked="" type="checkbox"/>	Fee <input type="checkbox"/>
5. State Oil & Gas Lease No. K-4761-3	

SUNDRY NOTICES AND REPORTS ON WELLS

(DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN OR PLUG BACK TO A DIFFERENT DEPTH. USE "APPLICATION FOR PERMIT -" (FORM C-101) FOR SUCH PROPOSALS.)

O. C. C.
ARTESIAN OFFICE

1. OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> OTHER- 2. Name of Operator HANAGAN PETROLEUM CORPORATION ✓ 3. Address of Operator P. O. Box 1737, Roswell, New Mexico 88201 4. Location of Well UNIT LETTER 0, 2300 FEET FROM THE East LINE AND 660 FEET FROM THE South LINE, SECTION 7 TOWNSHIP 23 South RANGE 26 East NMPM. 15. Elevation (Show whether DF, RT, GR, etc.) 3438' GR, 3454' KB	7. Unit Agreement Name --- 8. Farm or Lease Name Newman-Com 9. Well No. 1 10. Field and Pool, or Wildcat Wildcat 12. County Eddy
--	---

Check Appropriate Box To Indicate Nature of Notice, Report or Other Data
NOTICE OF INTENTION TO: SUBSEQUENT REPORT OF:

PERFORM REMEDIAL WORK <input type="checkbox"/>	PLUG AND ABANDON <input type="checkbox"/>	REMEDIAL WORK <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
TEMPORARILY ABANDON <input type="checkbox"/>	CHANGE PLANS <input type="checkbox"/>	COMMENCE DRILLING OPNS. <input type="checkbox"/>	PLUG AND ABANDONMENT <input type="checkbox"/>
PULL OR ALTER CASING <input type="checkbox"/>	OTHER <input type="checkbox"/>	CASING TEST AND CEMENT JOBS <input checked="" type="checkbox"/>	OTHER PB-Treatment - Testing <input checked="" type="checkbox"/>

17. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work) SEE RULE 1103.

6/13/75: TD 11625
6/16/75: PBTD 4920 - Set 35 sx Class "H" plugs w/hvy. drlg. mud between plugs as verbally approved by Mr. Gressett: 11000-11100', 10000-10100', 8500-8600', 6100-6200', and 55 sx plug 4910-5040', went in & dressed off top plug to 4920'.
6/18/75: Ran 122 jts. of 4½" 11.60# N80 LT&C csg. set @ 4920', cmtd. w/675 sx 50/50 posmix 3% KCL/sx., plug down @ 4:50 AM, 6/18/75.
6/27/75: MI workover unit, OTD 11625, PB 4920, NPB 4859, perf. 2 2/3" SPF Delaware 4781-90, ran 2-3/8" tbg., broke perfs. w/100 gals. acetic acid, swbd. dry w/small flare gas, 9 hr. SITP 700#, swb. tr oil & small flare gas, swb. dry - A/2000 gals. MA acid w/500 MCF N₂/bbl., avg. press. 3350# @ 7.2 BPM, flowed & swb. back load w/small amt. oil & gas, swb. dry, 23½ hr. SITP 1500# - Frac 13,000 gals. Wes Foam + 10,200# sd., inj. rate 12 BPM, Avg. treat. press. 5550#, flowed back most load w/good show oil & gas.
7/4/75: Rigged up test equipment.
7/5 to 7/7/75: Testing well, well F/38½ BO + 37 BW/8½ hrs., 16/64" ck., FTP 950#.

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

SIGNED Hugh E. Hanagan TITLE Vice President DATE 7/7/75
APPROVED BY W. A. Gressett TITLE SUPERVISOR, DISTRICT II DATE JUL 10 1975
CONDITIONS OF APPROVAL, IF ANY:

NO. OF COPIES RECEIVED	3
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NEW MEXICO OIL CONSERVATION COMMISSION

MAY 20 1975

O. C. C.
ARTESIA, OFFICE

Form C-103
Supersedes Old
C-102 and C-103
Effective 1-1-65

5a. Indicate Type of Lease
State <input checked="" type="checkbox"/> Fee <input type="checkbox"/>
5. State Oil & Gas Lease No.
K-4761-3

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. OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> OTHER- <input type="checkbox"/>	7. Unit Agreement Name
2. Name of Operator Hanagan Petroleum Corporation	8. Farm or Lease Name Newman-Com
3. Address of Operator P. O. Box 1737 Roswell, New Mexico 88201	9. Well No. 1
4. Location of Well UNIT LETTER 0 2300 FEET FROM THE East LINE AND 660 FEET FROM THE South LINE, SECTION 7 TOWNSHIP 23S RANGE 26E NMPM.	10. Field and Pool, or Wildcat Wildcat
15. Elevation (Show whether DF, RT, GR, etc.) 3438 GR	12. County Eddy

16. Check Appropriate Box To Indicate Nature of Notice, Report or Other Data
NOTICE OF INTENTION TO: SUBSEQUENT REPORT OF:

PERFORM REMEDIAL WORK <input type="checkbox"/>	PLUG AND ABANDON <input type="checkbox"/>	REMEDIAL WORK <input checked="" type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
TEMPORARILY ABANDON <input type="checkbox"/>	CHANGE PLANS <input type="checkbox"/>	COMMENCE DRILLING OPNS. <input type="checkbox"/>	PLUG AND ABANDONMENT <input type="checkbox"/>
PULL OR ALTER CASING <input type="checkbox"/>	OTHER <input type="checkbox"/>	CASING TEST AND CEMENT JOB <input checked="" type="checkbox"/>	OTHER <input type="checkbox"/>

17. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work) SEE RULE 1 f03.

5/12/75: Started drilling operations w/Rotary Moranco Contractor, 5/12/75 T.D. Ream 6" hole to 20" hole to 96' ran 3 jts. 16' 65# Casing, set @ 96' w/180 sx. Class "C" + 2% Ca CL. Plug down @ 3:10 PM 5/12/75 cement circ., w/80 sx. excess, 1.32 Slurry Vol. cu. ft./sx. 75° temp. when Slurry mixed, est. fm. temp. 65°, compressive strenght 565#, tested csg. w/500# 30", no press drop, drlg. Plug 3:00 AM 5/13/75 WOC 12 hrs.

5/17/75: T.D. 2480' sd. & lm. (14-3/4" & 12 1/4" hole), Ran 60 jts. 9-5/8" 40# ST&C & 36# LT&C csg. set @ 2480' & cmt. w/900 sx. Howco Light 1/4# flocel 2% Ca Cl + 150 sx. Class "C" w/2% Ca Cl, plug down 4:15 AM 5/17/75. Cement circ. w/65 sx. excess, 5/17/75 11:00 PM press up csg. 1800#/30", no press drop. Began making new hole @ 12:00 PM 5/17/75.

Witnessed by Leon Bergstrom
Field Supervisor

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

SIGNED <u>M. L. Southerland</u>	TITLE <u>Agent</u>	DATE <u>5/19/75</u>
APPROVED BY <u>Leon Bergstrom</u>	TITLE <u>SUPERVISOR, DISTRICT II</u>	DATE <u>MAY 20 1975</u>
CONDITIONS OF APPROVAL, IF ANY:		

15' K.B TO G.L.

NEW MEXICO OIL CONSERVATION COMMISSION
DRAWER DD
ARTESIA, NEW MEXICO

FIELD REPORT FOR CEMENTING OF WELLS

Operator <i>Hanagan Petr. Corp.</i>		Lease <i>Newman Com.</i>		Well # <i>1</i>	
Location of Well	Unit <i>6605</i> <i>2300c</i>	Section <i>7</i>	Township <i>23</i>	Range <i>26</i>	County <i>Eddy</i>
Drilling Contractor <i>Lidwell + Moreno</i>		Type of Equipment <i>CT + Rotary</i> <i>Lidwell + Moreno</i>			
<i>* Witness</i> <div style="float: right; text-align: right;"> <u>APPROVED CASING PROGRAM</u> <i>to start approx. 2-13-75</i> </div>					
Size of Hole	Size of Casing	Weight Per Foot	New or Used	Depth	Sacks Cement
<i>20</i>	<i>16"</i>	<i>65"</i>		<i>100</i>	<i>225 lin.</i>
<i>14 3/4" + 12 1/4"</i>	<i>9 7/8"</i>	<i>36 + 40</i>		<i>2500</i>	<i>800 lin.</i>
<i>8 1/2" + 7 7/8"</i>	<i>5 1/2"</i>	<i>17 + 20</i>		<i>11700</i>	<i>500</i>
Casing Data: <i>15,000 FT K.B TO G.L.</i> <i>INTER 8</i> — joints of <i>9 5/8</i> inch <i>40</i> # Grade <i>K. 55 NEW 8 RT STEEL</i> <i>Surface 52</i> — joints of <i>9 5/8</i> inch <i>30</i> # Grade <i>K. 55 NEW 8 RT STEEL</i> <i>RANGE 3</i> (Approved) (Rejected) <i>LOVE STAR</i>					
Inspected by <i>Leon Bergstrom</i> date <i>5-16-75</i>					
Cementing Program <i>1474-1055</i> Size of hole <i>12 1/4 - 2480</i> Size of Casing <i>9 5/8</i> Sacks cement required _____ Type of Shoe used <i>GUIDE</i> Float collar used <i>INSERT</i> Btm 3 jts welded <i>YES</i> TD of hole <i>2480 KB</i> Set <i>2489</i> Feet of <i>9 7/8</i> Inch <i>36 + 40</i> # Grade <i>K. 55 NEW 8 RT STEEL</i> New-used csg. @ <i>2480 KB</i> with <i>150</i> sacks neat cement around shoe + <i>2% CA C/L</i> + <i>900</i> sax <i>Howco Lite</i> additives <i>1/4 FLOCEZE + 2% CA C/L</i> Plug down @ <i>4 15</i> (AM) (PM) Date <i>5-17-75</i> Cement circulated <i>YES</i> No. of Sacks <i>65</i> SX C/L TO P.T. Cemented by <i>HALLIBURTON</i> Witnessed by <i>Leon Bergstrom</i> Temp. Survey ran @ _____ (AM) (PM) Date _____ top cement @ _____ Casing test @ _____ (AM) (PM) Date _____ Method Used _____ Witnessed by _____ Checked for shut off @ _____ (AM) (PM) Date _____ Method used _____ Witnessed by _____ Remarks: _____					

Operator Exxon Corp.

TOPS

Well Newman #1

Unit 0 Section 7 Township 23-S Range 26-C

API # 30-015--21477

Yates

T. Salt

B. Salt

Glorieta

Bone Sp. 4908'

Abo

Wolfcamp 8554'

Morrow 11,053'

Devonian

Fusselman

Other Delaware - 1320'

16' 65# casing set @ 96'

w/180 sx c.c.

circ.

9 5/8" 40# casing set @ 2480'

w/900 sx Howolite, 150 sx c.c.

circ. 65 sx cement. witnessed O.C.D.

Perf 4247'-56' Delaware.

Perf 4781'-90' Delaware.

4 1/2" 11.60# casing set @ 4920'. w/

w/675 sx 50% spm

TD - 11625'. PBTD - 4920'.

History

Well was spudded + Drilled. 2/13/1925

Clyde Tidwell Cable Tools.

C.T. + Rotary Rigs used.

Well is P.A.

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LAND OFFICE	<input type="checkbox"/>
OPERATOR	<input checked="" type="checkbox"/>

OIL CONSERVATION DIVISION

P. O. BOX 2088

SANTA FE, NEW MEXICO 87501

JUL 27 1984

O. C. D.

ARTESIA, NEW MEXICO

Form C-103
Revised 10-1-

5a. Indicate Type of Lease

State ☒Fee ☐

5. State Oil & Gas Lease No.

K 4761-3

SUNDARY 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. OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER- 2. Name of Operator EXXON CORPORATION ✓ 3. Address of Operator BOX 1600, MIDLAND, TEXAS 79702 4. Location of Well UNIT LETTER <u>0</u> <u>2300</u> FEET FROM THE <u>EAST</u> LINE AND <u>660</u> FEET FROM THE <u>SOUTH</u> LINE, SECTION <u>7</u> TOWNSHIP <u>23S</u> RANGE <u>26E</u> NMPM. 15. Elevation (Show whether DF, RT, GR, etc.) 3438 GR	7. Unit Agreement Name 8. Farm or Lease Name NEWMAN STATE 9. Well No. 1 10. Field and Pool, or Whicat BRYNIES TANK DELAWARE 12. County EDDY
--	---

16. Check Appropriate Box To Indicate Nature of Notice, Report or Other Data

NOTICE OF INTENTION TO: SUBSEQUENT REPORT OF:

PERFORM REMEDIAL WORK ☐
TEMPORARILY ABANDON ☐
PULL OR ALTER CASING ☐

PLUG AND ABANDON ☒
CHANGE PLANS ☐

REMEDIAL WORK ☐
COMMENCE DRILLING OPER. ☐
CASING TEST AND CEMENT JOB ☐
OTHER ☐

ALTERING CASING ☐
PLUG AND ABANDONMENT ☐

17. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work) SEE RULE 1703.

1. PULL RODS AND PUMP TEST BOP TO 2000 PSI. PULL TBG.
2. SET CIRP AT 4200' - CAP W/100' CMT. PRESSURE TEST + CSG TO 1000 PSI.
3. PERF CSG @ 2535' W/4SPF. RIH W/OPEN ENDED TBG TO PBTD (4100'). CIRC 4 1/2" CSG AND 4 1/2 x 9 5/8" ANNULUS W/9.5 PPG (MIN) BRINE WATER CONTAINING 25-100 LB SACK SALT GEL PER 100 bbl. (APPROX VOL IS 200 bbl.)
4. PULL TBG TO 2535'. ESTABLISH CIRC THROUGH TBG ANNULUS & CSG x CSG ANNULUS. SPOT A 30SX PLUG OF CMT (CLASS C, 3% CACL2) BY BALANCED PLUG METHOD. WOC. PRESSURE TEST PLUG TO 500 PSI.
5. PERF CSG @ 1320' AND @ 50' W/4SPF. RIH W/OPENED TBG TO TAG TO C CM FIRST PLUG (SHOULD BE 2435' MIN. OTHERWISE SPOT CMT TO MAKE UP THE DIFFERENCE) PULL TBG TO 1320' AND SPOT A 30SX PLUG OF CLASS C, 3% CACL2. BY BALANCED PLUG METHOD. KEEP BOTH ANNULI OPEN. PULL TBG TO 50' AND CIRC CMT TO SURFACE FOR FINAL PLUG.
6. CUT WELLHEAD OFF AND INSTALL PERMANENT DRY HOLE MARKER. CLEAN AND LEVEL LOCATION.

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

SIGNED

D. H. Jones

TITLE

SR ADMIN.

DATE

7-26-84

ORIGINAL SIGNED

BY LARRY BROOKS

GEOLOGIST - NMOC

TITLE

JUL 31 1984

DATE

JUL 31 1984

APPROVED BY

CONDITIONS OF APPROVAL, IF ANY

NEW MEXICO OIL CONSERVATION COMMISSION
FIELD TRIP REPORT

INSPECTION
CLASSIFICATION
FACILITY
HOURS
QUARTER
HOURS

Name B. W. Weaver Date 2-25-85 Miles _____ District I
Time of Departure _____ Time of Return _____ Car No. 65

In the space below indicate the purpose of the trip and the duties performed, listing wells or leases visited and any action taken.

Signature _____

1 Well @ 7-23-26 Exxon Corp Newman #1 (P+H) Set
Cast Iron Bridge Plug @ 4200 Test Casing to 1000 PSI Would Not Hold
Ran 2nd CIBP set at 4168 and Test to 1000 PSI Would Not Hold
Put 10 SX Cement on Top of Bridge Plug Let Set
2-26-85
Test Casing to 1000 PSI Would Not Test Ran Packer and Found
Hole @ 3495 Squeezed With 50 SX Class C 2% CC
2-27-85
Pressured up on Squeeze Job Test to 1000 PSI O.K. Pulled Packer
Perforated Casing @ 2535 Tried to Circulate Could Not Set 20 SX
Class C 2% CC Tagged @ 2304 Perforated @ 1320 Circulated
With Mud to Surface With mud and Spilled 30 SX Class C 3% CC, Perforated
@ 50 Ft and Circ Cement to Surface

<u>Mileage</u>	<u>Per Diem</u>	<u>Hours</u>
UIC _____	UIC _____	UIC _____
RFA _____	RFA _____	RFA _____
Other _____	Other _____	Other _____

TYPE INSPECTION
PERFORMED

INSPECTION
CLASSIFICATION

NATURE OF SPECIFIC WELL
OR FACILITY INSPECTED

H = Housekeeping
P = Plugging
C = Plugging Cleanup
T = Well Test
R = Repair/Workover
F = Waterflow
M = Mishap or Spill
W = Water Contamination
O = Other

U = Underground Injection Control - Any inspection of or related to injection project, facility, or well or resulting from injection into any well. (SWD, 2ndry injection and production wells, water flows or pressure tests, surface injection equipment, plugging, etc.)
R = Inspections relating to Reclamation Fund Activity
O = Other - Inspections not related to injection or The Reclamation Fund

E = Indicates some form of enforcement action taken in the field (show immediately below the letter U, R or O)

D = Drilling
P = Production
I = Injection
C = Combined prod. inj. operations
S = SWD
U = Underground Storage
G = General Operation
F = Facility or location
M = Meeting
O = Other

15' K.B. 75

NEW MEXICO OIL CONSERVATION COMMISSION
DRAWER DD
ARTESIA, NEW MEXICO

FIELD REPORT FOR CEMENTING OF WELLS

Operator <u>Hanagan Petr. Corp.</u>		Lease <u>Newman Com.</u>		Well # <u>1</u>	
Location of Well	Unit <u>160's 2300c</u>	Section <u>7</u>	Township <u>23</u>	Range <u>26</u>	County <u>Eddy</u>
Drilling Contractor <u>Sidwell + Mancoske</u>	Type of Equipment <u>CT + Rotary</u>				
* Witness <u>APPROVED CASING PROGRAM</u> <u>to start approx. 2-13-75</u>					
Size of Hole	Size of Casing	Weight Per Foot	New or Used	Depth	Sacks Cement
<u>20</u>	<u>16"</u>	<u>65"</u>		<u>100</u>	<u>225 cwt.</u>
<u>14 3/4" + 12 1/4"</u>	<u>9 7/8"</u>	<u>36 + 40</u>		<u>2500</u>	<u>800 cwt.</u>
<u>8 1/2" + 7 7/8"</u>	<u>5 1/2"</u>	<u>17 + 20</u>		<u>11700</u>	<u>500</u>
Casing Data: <u>15,000 FT K.B. TO G.L.</u>					
<u>INTER 8 - joints of 9 7/8 inch 40 # Grade K.55 NEW BRT STEEL</u>					
<u>RANGE 3 (Approved) (Rejected) LOT 5 STEEL</u>					
Inspected by <u>John R. Bergstrom</u> date <u>5-16-75</u>					
Cementing Program <u>1474-1055</u>					
Size of hole <u>12 1/4 - 2480</u> Size of Casing <u>9 7/8</u> Sacks cement required <u>65 SX CIR TO P.T.</u>					
Type of Shoe used <u>GUIDE</u> Float collar used <u>INSERT</u> Btm 3 jts welded <u>YES</u>					
TD of hole <u>2480 KB</u> Set <u>2480</u> Feet of <u>7 7/8</u> Inch <u>36 + 40</u> # Grade <u>K.55 NEW BRT STEEL</u>					
New-used csg. @ <u>2480</u> with <u>150</u> sacks neat cement around shoe <u>2 1/2" CIR</u>					
+ <u>900</u> sax <u>Hewco Lite</u> additives <u>4 1/2" + 2 1/2" CIR</u>					
Plug down @ <u>4 15</u> (AM) (PM) Date <u>5-17-75</u>					
Cement circulated <u>YES</u> No. of Sacks <u>65 SX CIR TO P.T.</u>					
Cemented by <u>HALL BURTON</u> Witnessed by <u>John R. Bergstrom</u>					
Temp. Survey ran @ (AM) (PM) Date top cement @					
Casing test @ (AM) (PM) Date					
Method Used Witnessed by					
Checked for shut off @ (AM) (PM) Date					
Method used Witnessed by					
Remarks:					

NOTE: FULL RETURNS THROUGHOUT DRILLING & CEMENTING OPERATIONS. CMT FELL 2FT IN 10 MIN AFTER PLUG DN ON INTERMEDIATE CSG. NO SIGNIFICANT "RATE OF PENETRATION" CHANGE FROM SURFACE TO 2480'

NO. OF COPIES RECEIVED	3
DISTRIBUTION	
SANTA FE	/
FILE	/
U.S.G.S.	
LAND OFFICE	
OPERATOR	/

RECEIVED
NEW MEXICO OIL CONSERVATION COMMISSION

MAY 20 1975

O. C. C.
ARTERIA, OFFICE

Form C-103
Supersedes Old
C-102 and C-103
Effective 1-1-65

5a. Indicate Type of Lease	State <input checked="" type="checkbox"/> Fee <input type="checkbox"/>
5. State Oil & Gas Lease No.	K-4761-3

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. OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> OTHER <input type="checkbox"/>	7. Unit Agreement Name -----
2. Name of Operator Hanagan Petroleum Corporation	8. Farm or Lease Name Newman-Com
3. Address of Operator P. O. Box 1737 Roswell, New Mexico 88201	9. Well No. 1
4. Location of Well UNIT LETTER 0 2300 FEET FROM THE East LINE AND 660 FEET FROM THE South LINE, SECTION 7 TOWNSHIP 23S RANGE 26E NMPM.	10. Field and Pool, or Wildcat Wildcat
15. Elevation (Show whether DF, RT, GR, etc.) 3438 GR	12. County Eddy

16. Check Appropriate Box To Indicate Nature of Notice, Report or Other Data
NOTICE OF INTENTION TO: SUBSEQUENT REPORT OF:

PERFORM REMEDIAL WORK <input type="checkbox"/>	PLUG AND ABANDON <input type="checkbox"/>	REMEDIAL WORK <input checked="" type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
TEMPORARILY ABANDON <input type="checkbox"/>	CHANGE PLANS <input type="checkbox"/>	COMMENCE DRILLING OPNS. <input type="checkbox"/>	PLUG AND ABANDONMENT <input type="checkbox"/>
PULL OR ALTER CASING <input type="checkbox"/>	OTHER <input type="checkbox"/>	CASING TEST AND CEMENT JOB <input checked="" type="checkbox"/>	OTHER <input type="checkbox"/>

17. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work) SEE RULE 1103.

5/12/75: Started drilling operations w/Rotary Moranco Contractor, 5/12/75 T.D. Ream 6" hole to 20" hole to 96' ran 3 Jts. 16' 65# Casing, set @ 96' w/180 sx. Class "C" + 2% Ca CL. Plug down @ 3:10 PM 5/12/75 cement circ., w/80 sx. excess, 1.32 Slurry Vol. cu. ft./sx. 75° temp. when Slurry mixed, est. fm. temp. 65°, compressive strenght 565#, tested csg. w/500# 30", no press drop, drlg. Plug 3:00 AM 5/13/75 WOC 12 hrs.

5/17/75: T.D. 2480' sd. & lm. (14-3/4" & 12 1/4" hole), Ran 60 jts. 9-5/8" 40# ST&C & 36# LT&C csg. set @ 2480' & cmt. w/900 sx. Howco Light 1/4# flocl 2% Ca Cl + 150 sx. Class "C" w/2% Ca Cl, plug down 4:15 AM 5/17/75. Cement circ. w/65 sx. excess, 5/17/75 11:00 PM press up csg. 1800#/30", no press drop. Began making new hole @ 12:00 PM 5/17/75.

Witnessed by Leon Bergstrom
Field Supervisor

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

SIGNED <u>M. L. Southerland</u>	TITLE <u>Agent</u>	DATE <u>5/19/75</u>
APPROVED BY <u>Leon Bergstrom</u>	TITLE <u>SUPERVISOR, DISTRICT II</u>	DATE <u>MAY 20 1975</u>
CONDITIONS OF APPROVAL, IF ANY:		

Submit to Appropriate
District Office
State Lease - 6 copies
Fee Lease - 5 copies

State of New Mexico
Energy, Minerals and Natural Resources Department

CISF
BWM
BWM
Scha

Form 105
Revised 1-1-89

DISTRICT I

P.O. Box 1980, Hobbs, NM 88240

DISTRICT II

P.O. Drawer DD, Artesia, NM 88210

DISTRICT III

1000 Rio Brazos Rd., Aztec, NM 87410

OIL CONSERVATION DIVISION

2040 Pacheco St.
Santa Fe, NM 87505

WELL API NO. 30-015-31466

5. Indicate Type Of Lease
LEASE TYPE STATE ☒ FEE ☐

6. State Oil & Gas Lease No.
VB464

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

1a. Type of Well:
OIL WELL ☐ GAS WELL ☒ DRY ☐ OTHER ☐

b. Type of Completion:
NEW WELL ☒ WORK OVER ☐ DEEPEN ☐ PLUG BACK ☐ DIFF RESVR ☐

2. Name of Operator
OXY USA WTP Limited Partnership

3. Address of Operator
P.O. Box 50250 Midland, TX 79710-0250

4. Well Location
Unit Letter G : 1980 Feet From The north Line and 1700 Feet From The east Line

Section 18 Township 23S Range 26E NMPM Eddy County

10. Date Spudded 3/14/01 11. Date T.D. Reached 4/28/01 12. Date Compl. (Ready to Prod.) 7/10/01 13. Elevations (DF & RKB, RT, GR, etc.) 3484' 14. Elev. Casinghead

15. Total Depth 11780' 16. Plug Back T.D. 11726' 17. If Multiple Compl. How Many Zones? 18. Intervals Drilled By Rotary Tools R Cable Tools

19. Producing Interval(s), of this completion - Top, Bottom, Name 11612-11618' 20. Was Directional Survey Made No

21. Type Electric and Other Logs Run DLL/MLL/CZDL/CNL/GRL 22. Was Well Cored No

23. CASING RECORD (Report all strings set in well)

CASING SIZE	WEIGHT LB./FT.	DEPTH SET	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED
13-3/8"	48#	718'	17-1/2"	1016 _{ex} -surface	N/A
9-5/8"	36#	2807'	12-1/4"	980 _{ex} - circulate	N/A
7"	26#	9470'	8-3/4"	725 _{ex} -CBL-3260'	N/A

24. LINER RECORD 25. TUBING RECORD

SIZE	TOP	BOTTOM	SACKS CEMENT	SCREEN	SIZE	DEPTH SET	PACKER SET
4-1/2"	8933'	11780'	400 _{ex}		2-3/8"	11260'	11260'

26. Perforation record (interval, size, and number)
4SPF @ 11612-11618' Total 24 holes

DEPTH INTERVAL	AMOUNT AND KIND MATERIAL USED
11612-11618'	1500gal 7-1/2% NEPE HCl Acid
11612-11618'	7350g 700 foam w/ 25040# sand

28. PRODUCTION

Date First Production 7/22/01 Production Method (Flowing, gas lift, pumping - Size and type pump) Flwg Well Status (Prod. or Shut-in) Prod

Date of Test 8/22/01	Hours Tested 24	Choke Size 21/64	Prod'n For Test Period	Oil - Bbl. 0	Gas - MCF 1842	Water - Bbl. 9	Gas - Oil Ratio
Flow Tubing Press. 557	Casing Pressure	Calculated 24-Hour Rate	Oil - Bbl. 0	Gas - MCF 1842	Water - Bbl. 9	Oil Gravity - API -(Corr.)	

29. Disposition of Gas (Sold, used for fuel, vented, etc.) Sold Test Witnessed By G. Henrich

30. List Attachments
C-103, C-104, Dev Svy. Logs(1set)

31. I hereby certify that the information shown on both sides of this form is true and complete to the best of my knowledge and belief

Signature David Stewart Printed Name David Stewart Title Sr. Reg Analyst Date 9/5/01

Submit 3 Copies To Appropriate District
Office
District I
1625 N. French Dr., Hobbs, NM 88240
District II
811 South First, Artesia, NM 88210
District III
1000 Rio Brazos Rd., Aztec, NM 87410
District IV
2040 South Pacheco, Santa Fe, NM 87505

State of New Mexico
Energy, Minerals and Natural Resources

OIL CONSERVATION DIVISION
2040 South Pacheco
Santa Fe, NM 87505

Form C-103
Revised March 25, 1999

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.)		WELL API NO. 30-015-31466
1. Type of Well: Oil Well <input type="checkbox"/> Gas Well <input checked="" type="checkbox"/> Other		5. Indicate Type of Lease STATE <input checked="" type="checkbox"/> FEE <input type="checkbox"/>
2. Name of Operator OXY USA WTP Limited Partnership 192463		6. State Oil & Gas Lease No. 1B 464
3. Address of Operator P.O. BOX 50250 MIDLAND, TX 79710-0250		7. Lease Name or Unit Agreement Name: OXY Honest John State
4. Well Location Unit Letter <u>G</u> <u>1980</u> feet from the <u>NORTH</u> line and <u>1700</u> feet from the <u>EAST</u> line Section <u>1B</u> Township <u>23S</u> Range <u>26E</u> NMPM County <u>Elly</u>		8. Well No. 1
10. Elevation (Show whether DR, RKB, RT, GR, etc.) 3434		9. Pool name or Wildcat Undeg. Carlsbad Morrow, South
11. Check Appropriate Box to Indicate Nature of Notice, Report or Other Data		
NOTICE OF INTENTION TO: PERFORM REMEDIAL WORK <input type="checkbox"/> PLUG AND ABANDON <input type="checkbox"/> TEMPORARILY ABANDON <input type="checkbox"/> CHANGE PLANS <input type="checkbox"/> PULL OR ALTER CASING <input type="checkbox"/> MULTIPLE COMPLETION <input type="checkbox"/> OTHER: <input type="checkbox"/>		SUBSEQUENT REPORT OF: REMEDIAL WORK <input type="checkbox"/> ALTERING CASING <input type="checkbox"/> COMMENCE DRILLING OPNS. <input checked="" type="checkbox"/> PLUG AND ABANDONMENT <input type="checkbox"/> CASING TEST AND CEMENT JOB <input checked="" type="checkbox"/> OTHER: <input type="checkbox"/>
12. Describe proposed or completed operations. (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work). SEE RULE 1103. For Multiple Completions: Attach wellbore diagram of proposed completion or recompilation.		

See other side



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

SIGNATURE David Stewart TITLE REGULATORY ANALYST DATE 3/23/01

Type or print name DAVID STEWART

Telephone No. 915-685-5717

(This space for State use)

ORIGINAL SIGNED BY TIM W. GUM
DISTRICT II SUPERVISOR

MAR 27 2001

APPROVED BY Tim W. Gum TITLE DISTRICT II SUPERVISOR DATE 3/27/01

Conditions of approval, if any:

NOTIFIED NMOCD 3/13/01 OF SPUD. MIRU UTI 207, SPUD WELL @ 1400hrs MST
3/14/01. DRILL 17-1/2" HOLE TO 156' & LOST RETURNS, DRY DRILL TO TD @ 719',
3/15/01, PUMP SWEEP. RIH W/ 13-3/8" 48# H40 CSG, SET @ 718'. M&P 200sx CL H
W/ 10% A10B + 10# LCM-1 + .25#/sx CELLOFLAKES + 1% CaCl₂ FOLLOWED BY 366sx
65/35 C/POZ W/ 6% BENTONITE + 2% CaCl₂ + 5#/sx LCM-1 FOLLOWED BY 200sx CL C W/
2% CaCl₂, DISP W/ FW, PLUG DOWN 3/16/01, CEMENT DID NOT CIRC, WOC-5hrs, NMOCD
NOTIFIED BUT DID NOT WITNESS. RIH W/ TEMP SVY, TOC @ 116'. RIH W/ 1" TO
155', M&P 50sx CL C W/ 5% CaCl₂, POOH, WOC-2hr. RIH & TAG @ 108', M&P 50sx CL
C W/ 5% CaCl₂, POOH, WOC-2hr. RIH & TAG @ 90', M&P 150sx CL C W/ 2% CaCl₂,
CIRC 20sx CMT TO PIT, NMOCD NOTIFIED BUT DID NOT WITNESS. CUT OFF CASING,
WELD ON WELL HEAD, TEST TO 500#, OK. NU BOP & TEST BOP & CASING TO 500#, OK.
TEST PIPE RAMS & HYDRIL TO 500#, OK. RIH & TAG, DRILL OUT & DRILL AHEAD
3/17/01.

DRILL 12-1/4" HOLE TO TD @ 2807', 3/20/01, CHC. RIH W/ 9-5/8" 36# CSG & SET @
2807'. M&P 780sx 35/65 POZ/C W/ 6% BENTONITE + 2% CaCl₂ + 5#/LCM-1 FOLLOWED
BY 200sx CL C CMT W/ 2% CaCl₂, DISP W/ FW, PLUG DOWN 3/20/01, CIRC 194sx TO
PIT, WOC-6hrs. NMOCD NOTIFIED BUT DID NOT WITNESS. CUT OFF CSG & INSTALL B
SEC, TEST TO 1500#, OK. NU BOP & CHOKE MANIFOLD, TEST BLIND RAMS, PIPE RAMS,
CHOKE LINES, CHOKE MANIFOLD AND SAFETY VALVES TO 5000#, OK. TEST HYDRIL, MUD
LINES AND CSG TO 2500#, OK. TOTAL WOC-18hrs. RIH, DO CMT & SHOE, DRILL NEW
FORMATION, TEST CSG, OK. DRILL AHEAD 3/21/01.

Operator Exxon Corp.

Well New Mex. OS ST. #1

Unit P Section 13 Township 23S Range 28E

API # 30-015 -- 24595

Expired Drilling Intent.

TOPS

Yates _____

T. Salt _____

B. Salt _____

Glorieta _____

Bone Sp. _____

Abo _____

Wolfcamp _____

Morrow _____

Devonian _____

Fusselman _____

Other _____

OIL CONSERVATION DIVISION

2040 South Pacheco

Santa Fe, NM 87505

WELL API NO.

30-015-31471

5. Indicate Type of Lease

STATE ☐ FEE ☒

State Oil & Gas Lease No.

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

1a. Type of Well:

OIL WELL ☐ GAS WELL ☒ DRY ☐ OTHER ☐

b. Type of Completion:

NEW WORK PLUG DIFF. WELL ☒ OVER ☐ DEEPEN ☐ BACK ☐ RESVR. ☐ OTHER ☐

2. Name of Operator

Fasken Oil and Ranch, Ltd. (151416)

8. Well No.

1

3. Address of Operator

303 W. Wall Ave., Suite 1800, Midland, TX 79701-5116

9. Pool name or Wildcat

Cemetery (Morrow)

4. Well Location

Unit Letter O : 660 Feet From The South Line and 1400 Feet From The East LineSection 29Township 20Range 25

NMPM

County Eddy

10. Date Spudded

2-22-2001

11. Date T.D. Reached

3-28-2001

12. Date Compl. (Ready to Prod.)

WOPL

13. Elevations (DF& RKB, RT, GR, etc.)

3569' GR

14. Elev. Casinghead

3569'

15. Total Depth

9835'

16. Plug Back T.D.

9793'

17. If Multiple Compl. How Many Zones?

18. Intervals Drilled By

Rotary Tools

Cable Tools

0'-9700'

19. Producing Interval(s), of this completion - Top, Bottom, Name

WOPL

20. Was Directional Survey Made

No

21. Type Electric and Other Logs Run

CNL/Litho-Density/High Resolution Laterolog Array/Repeat Formation Tester

22. Was Well Cored

No

23. CASING RECORD (Report all strings set in well)

CASING SIZE	WEIGHT LB./FT.	DEPTH SET	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED
13-3/8"	48	406'	17-1/2"	688 sx "C"	None
9-5/8"	36	3004'	12-1/4"	800 sx "C"	None
4-1/2"	11.6	9835'	8-3/4"	900 sx "C"	None

24. LINER RECORD

SIZE	TOP	BOTTOM	SACKS CEMENT	SCREEN

25. TUBING RECORD

SIZE	DEPTH SET	PACKER SET

26. Perforation record (interval, size, and number)

27. ACID, SHOT, FRACTURE, CEMENT, SQUEEZE, ETC.

DEPTH INTERVAL AMOUNT AND KIND MATERIAL USED

28. PRODUCTION

Date First Production

Production Method (Flowing, gas lift, pumping - Size and type pump)

Well Status (Prod. or Shut-in)

WOPL

Date of Test

Hours Tested

Choke Size

Prod'n For Test Period

Oil - Bbl

Gas - MCF

Water - Bbl.

Gas - Oil Ratio

Flow Tubing Press.

Casing Pressure

Calculated 24-Hour Rate

Oil - Bbl.

Gas - MCF

Water - Bbl.

Oil Gravity - API - (Corr.)

29. Disposition of Gas (Sold, used for fuel, vented, etc.)

WOPL

Test Witnessed By

30. List Attachments

C-102, Deviation Report, Logs: CNL/Litho-Density/High Resolution Laterolog Array/RFT/FMI, No DST's run

31. I hereby certify that the information shown on both sides of this form as true and complete to the best of my knowledge and belief

Signature

Carl Brown

Printed
Name Carl Brown

Title Petroleum Engineer

Date 4-12-01

30-015-31471
O-29-20s-25e FASKEN OIL AND RANCH, LTD.
NEELY COM. #1

FED. 22,23-01

DRILLING WELL DRILLING TO SET 13.375" CSG AT 406'

L.C. AT 183'.

STRONG BLOW OF H₂S GAS AT 183'.

H₂S 2000 PPM IN CELLAR & 20-30 PPM ON RIG FLOOR.

RIG SHUTDOWN 7 HOURS ON BLOWDOWN AND WO SAFTY EQUIPEMENT .

PUMPED L.C. PLUG AND FRESH WATER STOPPED GAS BLOW.

DRILLED TO TD. RAN AND CEMENTED 13.375" CSG.

TOC AT 140' BY TEMP. SURVEY.

1" BACK TO SURFACE.

30-015-31471
O-29-20s-25e FASKEN OIL AND RANCH, LTD.
NEELY COM. #1

FED. 22,23-01

DRILLING WELL DRILLING TO SET 13.375" CSG AT 406'

L.C. AT 183'.

STRONG BLOW OF H₂S GAS AT 183'.

H₂S 2000 PPM IN CELLAR & 20-30 PPM ON RIG FLOOR.

RIG SHUTDOWN 7 HOURS ON BLOWDOWN AND WO SAFTY EQUIPEMENT .

PUMPED L.C. PLUG AND FRESH WATER STOPPED GAS BLOW.

DRILLED TO TD. RAN AND CEMENTED 13.375" CSG.

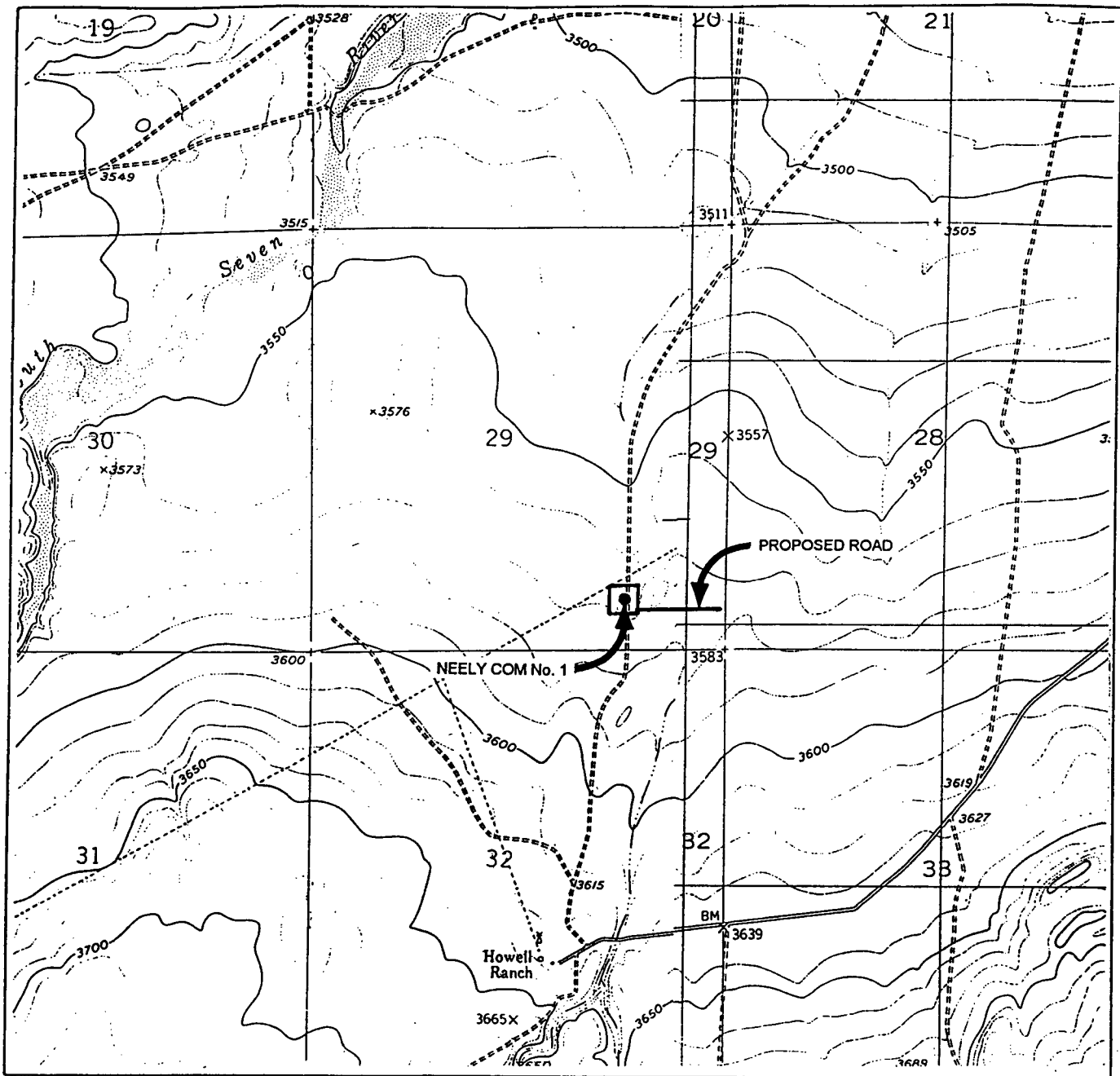
TOC AT 140' BY TEMP. SURVEY.

1" BACK TO SURFACE.

NOTE: LAND OWNER RICHARD HOWELL 505-457-2602

MR. HOWELL TOLD OPERATOR THERE WERE TWO ZONES OF WATER IN THE AREA.
THE UPPER ZONE HAVING HIGH SULPHER AND THE LOWER ZONE HAVING GOOD WATER.

LOCATION VERIFICATION MAP



SCALE: 1" = 2000'
WTC 46033

SEC. 29 TWP. 20-S RGE. 25-E

SURVEY N.M.P.M

COUNTY EDDY STATE NM

DESCRIPTION 660' FSL & 1400' FEL

ELEVATION 3569'

OPERATOR FASKEN OIL & RANCH, LTD.

LEASE NEELY COM No. 1

USGS TOPO MAP FOSTER RANCH AND SEVEN RIVERS
NEW MEXICO.

CONTOUR INTERVAL 10'

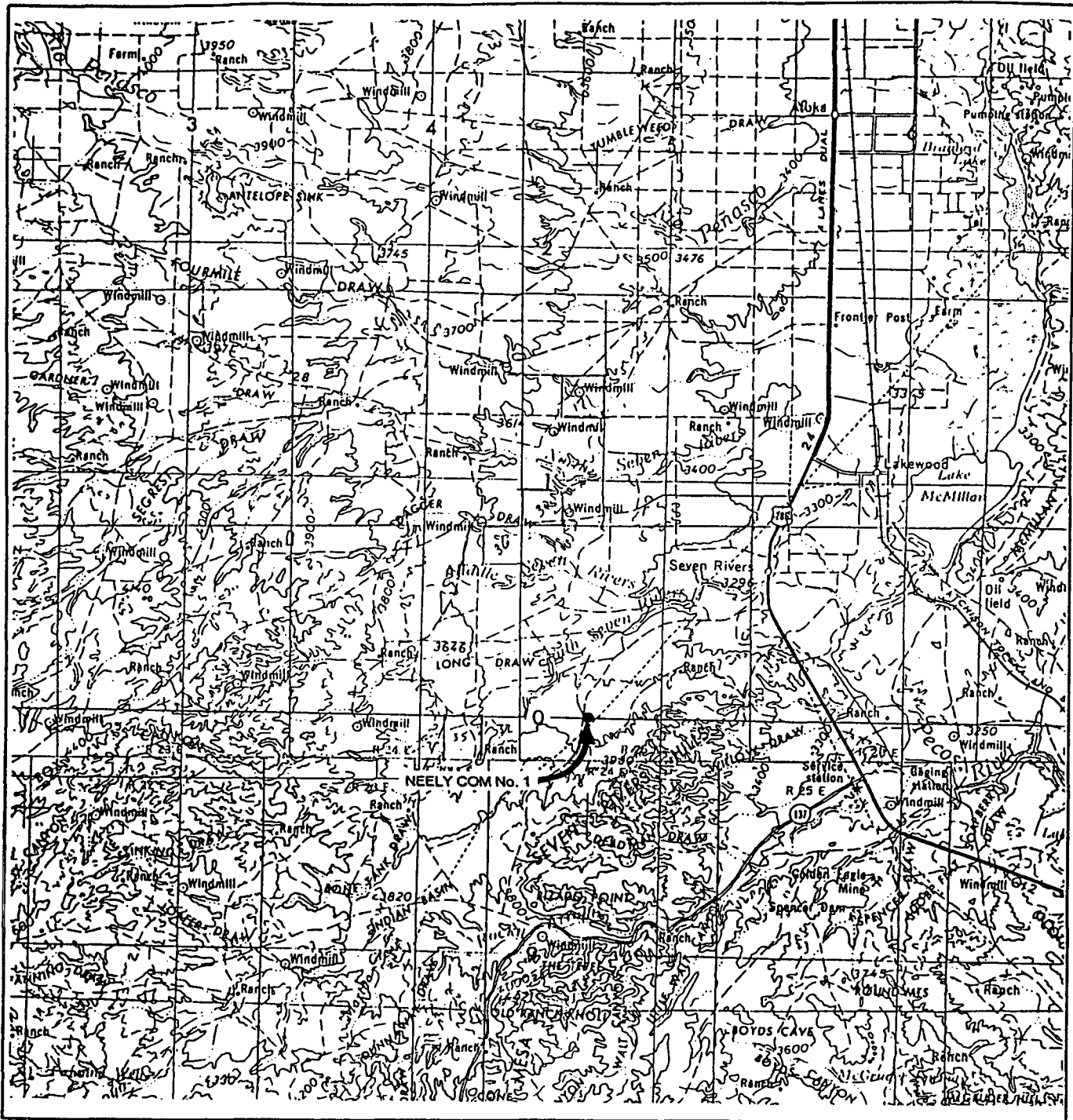
WEST TEXAS CONSULTANTS, INC.

ENGINEERS-PLANNERS-SURVEYORS

MIDLAND, TEXAS

915-685-3800

VICINITY MAP



SCALE: 1" = 4 MILES

WTC 46033

SEC. 29 TWP. 20-S RGE. 25-E

SURVEY N.M.P.M.

COUNTY EDDY STATE NM

DESCRIPTION 660' FSL & 1400' FEL

ELEVATION 3569'

OPERATOR FASKEN OIL & RANCH, LTD.

LEASE NEELY COM No. 1

WEST TEXAS CONSULTANTS, INC.

ENGINEERS-PLANNERS-SURVEYORS

MIDLAND, TEXAS

915-685-3800

Form 3160-5 Attachment
Mayne & Mertz, Inc.
Bluewater-Federal No. 1
January 31, 1986

Plugged and abandoned as follows:

- 1.) Displaced hole w/ 10 ppg brine water.
- 2.) Set cmt plugs from 4785' to 4585' and 3662' to 3562'.
- 3.) Cut off 4-1/2" csg @ 2600' (w/ acid cutter) and pulled.
- 4.) Set cmt plug across csg-cut from 2650' to 2525', tagged cmt top @ 2525'.
- 5.) Set cmt plug across 8-5/8" csg shoe from 1650' to 1550', tagged cmt top @ 1550', pumped 15 sacks cmt on top of plug.
- 6.) Set 50' cmt plug at surface.
- 7.) Set 8-5/8" dry hole marker, cut anchors off below ground level, filled pits and cleaned location.

Date plugging operations began: 1/17/86

Date plugging operations completed: 1/22/86

Date plugging procedure approved: 12/11/85

Casing remaining in hole:
2456' of 4-1/2"
1596' of 8-5/8"
281' of 13-3/8"

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUBMIT IN TRIP DATE
(Other instructions reverse side)

Budget Bureau No. 1004-0135
Expires August 31, 1985

49

Drawer DD

Artesia, NM 88210

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—" for such proposals.)

1. OIL WELL ☐ GAS WELL ☒ OTHER Dry

2. NAME OF OPERATOR

Mayne & Mertz, Inc.

3. ADDRESS OF OPERATOR

P. O. Box 183, Midland, TX 79702

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements. See also space 17 below.)

At surface 1673' FWL & 660' FSL of Sec.

RECEIVED BY

MAR 18 1986

O. C. D.

ARTESIA, OFFICE

5. LEASE DESIGNATION AND SERIAL NO.

NM-19422

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME

Bluewater-Federal

9. WELL NO.

1

10. FIELD AND POOL, OR WILDCAT

Wildcat
West Dark Canyon Delaware

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA

Sec. 18, T-23-S, R-26-E

14. PERMIT NO.

Unknown

15. ELEVATIONS (Show whether DF, RT, GR, etc.)

KDB: 3424'

12. COUNTY OR PARISH

Eddy

13. STATE

New Mexico

16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:

SUBSEQUENT REPORT OF:

TEST WATER SHUT-OFF ☐
FRACTURE TREAT ☐
SHOOT OR ACIDIZE ☐
REPAIR WELL ☐
(Other) ☐

PULL OR ALTER CASING ☐
MULTIPLE COMPLETE ☐
ABANDON* ☒
CHANGE PLANS ☐

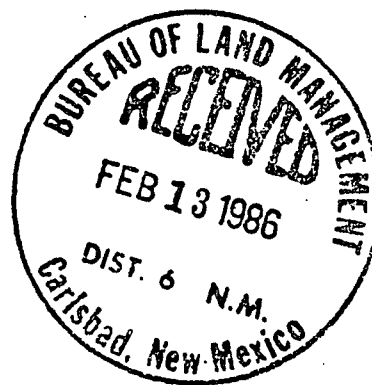
WATER SHUT-OFF ☐
FRACTURE TREATMENT ☐
SHOOTING OR ACIDIZING ☐
(Other) ☐

REPAIRING WELL ☐
ALTERING CASING ☐
ABANDONMENT* ☒

(NOTE: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

See Attachment



18. I hereby certify that the foregoing is true and correct.

SIGNED

Raymond Mayne

TITLE

President

DATE

2/3/86

(This space for Federal or State office use)

APPROVED BY *Sgt. Charles S. Danton*

TITLE

DATE

3-18-86

CONDITIONS OF APPROVAL, IF ANY:

*See Instructions on Reverse Side

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

NM OIL CONS. COMMISSION
DRAWING DD SUBMIT IN DUPLICATE
NM 88210 (See other instructions on reverse side)

Form approved.
Budget Bureau No. 1004-0137
Expires August 31, 1985

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

1a. TYPE OF WELL: OIL WELL <input type="checkbox"/> GAS WELL <input type="checkbox"/> DRY <input checked="" type="checkbox"/> Other		5. LEASE DESIGNATION AND SERIAL NO. NM-19422					
b. TYPE OF COMPLETION: NEW WELL <input type="checkbox"/> WORK OVER <input type="checkbox"/> DEEP-EN <input type="checkbox"/> PLUG BACK <input type="checkbox"/> DIFF. CENVR. <input type="checkbox"/> Other		6. IF INDIAN, ALLOTTEE OR TRIBE NAME					
2. NAME OF OPERATOR Mayne & Mertz, Inc.		7. UNIT AGREEMENT NAME					
3. ADDRESS OF OPERATOR P. O. Box 183, Midland, TX 79702		8. FARM OR LEASE NAME Bluewater-Federal					
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements) At surface 1673' FWL & 660' FSL At top prod. interval reported below same At total depth same		9. WELL NO. 1					
14. PERMIT NO. Unknown		10. FIELD AND FOOT OR WILDCAT West Dark Canyon-Delaware					
15. DATE STUDDERED 10/26/83		11. SEC., T., R., M., OR BLOCK AND SURVEY OR AREA Sec. 18, T-23-S, R-26-E					
16. DATE T.D. REACHED 11/8/83		12. COUNTY OR PARISH Eddy					
17. DATE COMPL. (Ready to prod.) 12/30/83		13. STATE New Mexico					
18. ELEVATIONS (OF, RKB, RT, GR, ETC.) RKB 3425' (datum)		14. ELEV. CASINGHEAD 3411'					
20. TOTAL DEPTH, MD & TVD 5057'		21. PLUG. BACK T.D., MD & TVD plugged					
22. IF MULTIPLE COMPL., HOW MANY*		23. INTERVALS DRILLED BY 0 - TD					
24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)* none - plugged & abandoned		25. WAS DIRECTIONAL SURVEY MADE Totco					
26. TYPE ELECTRIC AND OTHER LOGS RUN CNL/GR/ DLL		27. WAS WELL CORRED No					
28. CASING RECORD (Report all strings set in well)							
CASING SIZE	WEIGHT, LB./FT.	DEPTH SET (MD)	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED		
13-3/8"	54.5	281'	17-1/2"	500 sks	none		
8-5/8"	28.0	1596'	12-1/4"	580 sks	none		
4-1/2"	10.5	5056'	7-7/8"	850 sks	2600'		
29. LINER RECORD				30. TUBING RECORD			
SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)
31. PERFORATION RECORD (Interval, size and number)				32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.			
4926' - 4944', 18 shots @ 1 spf				DEPTH INTERVAL (MD)			
4795' - 4851', 15 shots @ 1 spf				4926' - 4944'			
4684' - 4756', 18 shots @ 1 spf				4795' - 4851'			
				4684' - 4756'			
				AMOUNT AND KIND OF MATERIAL USED			
				2000 gals 7-1/2% NEFE			
				2000 gals 7-1/2% NEFE,			
				40,000 gals & 44,000# sd			
				3000 gals 7-1/2% NEFE,			
				35,000 gals & 35,000# sd			
33. PRODUCTION				WELL STATUS (Producing or shut-in)			
DATE FIRST PRODUCTION never produced				plugged & abandoned			
PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump)							
DATE OF TEST				HOURS TESTED			
CHOKE SIZE				PROD'N. FOR TEST PERIOD			
OIL—BBL.				GAS—MCF.			
WATER—BBL.				GAS-OIL RATIO			
FLOW. TUBING PRESS.				CASING PRESSURE			
CALCULATED 24-HOUR RATE				OIL GRAVITY-API (CORR.)			
34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.)				TEST WITNESSED BY			
FEB 13 1986				YAA			
35. LIST OF ATTACHMENTS							
36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records							
SIGNED <i>Ray L. Mayne</i>				TITLE President			
				DATE 2/7/86			

(See Instructions and Spaces for Additional Data on Reverse Side)

9/5F

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY
RECEIVED

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to develop or plug back to a different reservoir. Use Form 9-331-C for such proposals.)

1. oil ☒ well gas ☐ well other ☐

2. NAME OF OPERATOR
Mayne & Mertz, Inc.

3. ADDRESS OF OPERATOR
P. O. Box 183, Midland, TX 79702

4. LOCATION OF WELL (REPORT LOCATION CLEARLY. See space 17 below.)
AT SURFACE: 1673' FWL & 660' FSL of Sec.
AT TOP PROD. INTERVAL:
AT TOTAL DEPTH:

16. CHECK APPROPRIATE BOX TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

REQUEST FOR APPROVAL TO:

SUBSEQUENT REPORT OF:

TEST WATER SHUT-OFF ☐

FRACTURE TREAT ☐

SHOOT OR ACIDIZE ☐

REPAIR WELL ☐

PULL OR ALTER CASING ☐

MULTIPLE COMPLETE ☐

CHANGE ZONES ☐

ABANDON* ☐

(other) Casing & cementing Report

5. LEASE

NM-19422

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME

Bluewater - Federal

9. WELL NO.

1

10. FIELD OR WILDCAT NAME
West Dark Canyon Delaware

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA

Sec. 18, T-23-S, R -26-E

12. COUNTY OR PARISH

Eddy

13. STATE

New Mexico

14. API NO.

15. ELEVATIONS (SHOW DF, KDB, AND WD)

KDB: 3424'

RECEIVED BY

MAY 11 1984

O. C. D.

ARTESIA, OFFICE

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

CASING:

281' of 13-3/8" / 54.5# / J-55 / STC
Date set - 10/28/83

CEMENTING:

Lead - 100 sks Halliburton Lite
Tail - 400 sks Class "C" w/2% CaCl₂
Top of cement @ surface

PRESSURE TEST: 1000 psi held 30 mins with no pressure drop.

Subsurface Safety Valve: Manu. and Type Halliburton Insert Float Valve Set @ 240 Ft.

18. I hereby certify that the foregoing is true and correct

SIGNED

TITLE

DATE

11/12/84

(This space for Federal or State office use)

APPROVED BY

TITLE

DATE

CONDITIONS OF APPROVAL, IF ANY:

ACCEPTED FOR RECORD

MAY 10 1984

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

RECEIVED

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen a well back to a different reservoir. Use Form 9-331-C for such proposals.)

1. oil ☒ well gas ☐ well other ☐

2. NAME OF OPERATOR
Mayne & Mertz, Inc.

3. ADDRESS OF OPERATOR
P. O. Box 183, Midland, TX 79702

4. LOCATION OF WELL (REPORT LOCATION CLEARLY. See space 17 below.)
AT SURFACE: 1673' FWL & FSL of Sec.
AT TOP PROD. INTERVAL:
AT TOTAL DEPTH:

MAY 14 1984

O. C. D.

ARTESIA, OFFICE

16. CHECK APPROPRIATE BOX TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

REQUEST FOR APPROVAL TO:	SUBSEQUENT REPORT OF:
TEST WATER SHUT-OFF <input type="checkbox"/>	<input type="checkbox"/>
FRACTURE TREAT <input type="checkbox"/>	<input type="checkbox"/>
SHOOT OR ACIDIZE <input type="checkbox"/>	<input type="checkbox"/>
REPAIR WELL <input type="checkbox"/>	<input type="checkbox"/>
PULL OR ALTER CASING <input type="checkbox"/>	<input type="checkbox"/>
MULTIPLE COMPLETE <input type="checkbox"/>	<input type="checkbox"/>
CHANGE ZONES <input type="checkbox"/>	<input type="checkbox"/>
ABANDON* <input type="checkbox"/>	<input type="checkbox"/>
(other) <u>Casing & cementing Report</u>	

88215ASE

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME
Bluewater - Federal

9. WELL NO.
1

10. FIELD OR WILDCAT NAME W/C
~~West Dark Canyon Delaware~~

11. SEC., T., R., M. OR BLK. AND SURVEY OR AREA
Sec. 18, T-23-S, R-26-E

12. COUNTY OR PARISH
Eddy

13. STATE
New Mexico

14. API NO.

15. ELEVATIONS (SHOW DF, KDB, AND WD)
KDB: 3424'

(NOTE: Report results of multiple completion or zone change on Form 9-330.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

CASING: 1596' of 8-5/8" / 28# / J-55/ STC
Date set - 11/2/83

CEMENTING: 580 sks class "C" w/ 2% CaCl₂
Top of cement @ surface

PRESSURE TEST: 1000 psi held 30 mins with no pressure drop

Subsurface Safety Valve: Manu. and Type Halliburton float collar Set @ 1555 Ft.

18. I hereby certify that the foregoing is true and correct

SIGNED [Signature] TITLE President DATE 1/12/84

ACCEPTED FOR RECORD (Space for Federal or State office use)

APPROVED BY [Signature] TITLE _____ DATE _____

CONDITIONS OF APPROVAL, IF ANY:

MAY 10 1984

Carlsbad

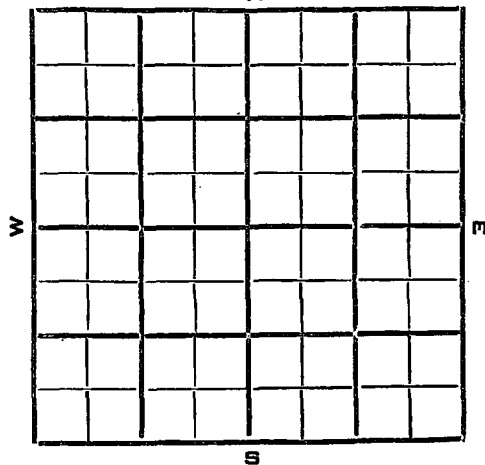
NEW MEXICO

*See Instructions on Reverse Side

WILDCAT

SCOUT REPORT NEW MEXICO OIL CONSERVATION COMMISSION

30-015-00375

Company ~~Everett and~~ Moran

Farm Name Ramuz

Well No. 1

Land Classification State

Sec. 18 Twp. 23 Range 26 County Eddy

Feet from Line: 660 N. S. E. 1980 W.

Elevation

Method

Contractor Moran Drilling Company

Scout

Spudded 1-18-40 Completed 8.17.40 Initial Production

Bond Status

Amount Casing and Cementing Record

Size	Feet	Inches	Sax Cement

Tubing Record

ACID RECORD

Gals.

TA

TS

BS

TRS

TBL

TWD

SHOOTING RECORD

No. of Quarts	Shot at	Feet
No. of Quarts	Shot at	Feet
S/O	S/O	S/O
S/O	S/O	S/O

DATE	Spudded	DATE	
JAN 3 1940	✓	JUL 10	TD 1660 L - prepared 7" casing
FEB 7 1940	TD 345 S (3D found)	JUL 17	TD 1660 L
FEB 14 1940	✓	JUL 24	TD 1660 L
FEB 21 1940	✓	JUL 31	TD 1660 L
FEB 28 1940	✓	AUG 7	TD 1660 L
MAR 6 1940	✓	AUG 14	TD 1660 L
MAR 13 1940	✓	AUG 21	TD 1660 L
MAR 20 1940	✓		TD 1660 L
MAR 27 1940	✓		TD 1660 L
APR 3 1940	✓		TD 1660 L
APR 10 1940	✓		TD 1660 L
APR 17 1940	✓		TD 1660 L
APR 24 1940	✓		TD 1660 L
MAY 1 1940	✓		TD 1660 L
MAY 8 1940	✓		TD 1660 L
MAY 15 1940	✓		TD 1660 L
MAY 22 1940	✓		TD 1660 L
MAY 29 1940	✓		TD 1660 L
JUN 5 1940	✓		TD 1660 L
JUN 12 1940	✓		TD 1660 L
JUN 19 1940	✓		TD 1660 L
JUN 26 1940	✓		TD 1660 L
JUL 3 1940	✓		TD 1660 L

HFXW 1780

NEW MEXICO OIL CONSERVATION COMMISSION
Santa Fe, New Mexico

MISCELLANEOUS NOTICES

Submit this notice in triplicate to the Oil Conservation Commission or its proper agent before the work specified is to begin. A copy will be returned to the sender on which will be given the approval, with any modifications considered advisable, or the rejection by the Commission or agent, of the plan submitted. The plan as approved should be followed, and work should not begin until approval is obtained. See additional instructions in the Rules and Regulations of the Commission.

Indicate nature of notice by checking below:

NOTICE OF INTENTION TO TEST CASING SHUT-OFF		NOTICE OF INTENTION TO SHOOT OR CHEMICALLY TREAT WELL	
NOTICE OF INTENTION TO CHANGE PLANS		NOTICE OF INTENTION TO PULL OR OTHERWISE ALTER CASING	X
NOTICE OF INTENTION TO REPAIR WELL			
NOTICE OF INTENTION TO DEEPEN WELL		NOTICE OF INTENTION TO PLUG WELL	X

Galshad, New Mexico

Place

August 9 1940

Date

OIL CONSERVATION COMMISSION,
 Santa Fe, New Mexico.

Gentlemen:

Following is a notice of intention to do certain work as described below at the _____

E Paul Moran #1 Ramuz Well No. 1 in NE 1/4 NW 1/4
 Company or Operator Lease
 of Sec. 18, T. 23 S, R. 26 E, N. M. P. M., Wildcat Field,
Eddy County.

FULL DETAILS OF PROPOSED PLAN OF WORK

FOLLOW INSTRUCTIONS IN THE RULES AND REGULATIONS OF THE COMMISSION

Struck water (salt) at 1808' and came up approximately 1500' in the hole. We are cementing this water with 10 sacks of cement. Will leave in the hole between 200 and 250' of cemented pipe which we ran to shut off water encountered at 1563'. After balance of pipe is pulled will fill hole with mud up to 2500' from the surface and cement with 10 sacks of cement to protect whatever surface waters there may be above, then will mud hole up to near the surface and place a cement cap with regulation 4" pipe as marker for this well

AUG 14 1940

Approved _____, 19____
 except as follows:

E. Paul Moran
 Company or Operator

By _____

Position _____
 Send communications regarding well to

OIL CONSERVATION COMMISSION,

By Roy Garbrough
 Title OIL & GAS INSPECTOR

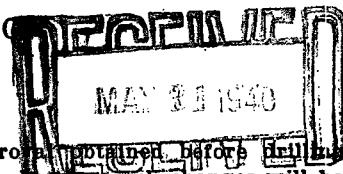
Name _____

Address _____

DUPLICATE

NEW MEXICO OIL CONSERVATION COMMISSION
Santa Fe, New Mexico

NOTICE OF INTENTION TO DRILL



Notice must be given to the Oil Conservation Commission or its proper agent and approved before drilling begins. If changes in the proposed plan are considered advisable, a copy of this notice showing such changes will be returned to the sender. Submit this notice in triplicate. One copy will be returned to the sender. See additional instructions in Rules and Regulations of the Commission.

CARLSBAD, N. M.

Jan. 10, 1940

OIL CONSERVATION COMMISSION,
Santa Fe, New Mexico

Place

Date

Gentlemen:

You are hereby notified that it is our intention to commence the drilling of a well to be known as

RAMUZ

Well No. 1 in

of Sec. 18, T. 23 S, R. 26 E, N. M. P. M., Dark Canyon Field, Eddy County.

N.

The well is 660 ft feet [X.] [S.] of the North line and 1980 ft feet [E.] [W.] of the West line of Sec 18 Twp. 23 S Rnge. 26 E.

(Give location from section or other legal subdivision lines. Cross out wrong directions.)

If state land the oil and gas lease is No. Assignment No.

If patented land the owner is Ramuz, Carlsbad, N. M.

Address

If government land the permittee is

Address

The lessee is D. C. DeVito

Address Scharbauer Hotel, Midland, Texas

AREA 640 ACRES
LOCATE WELL CORRECTLY

We propose to drill well with drilling equipment as follows:

Model Super D Forth North spudder

The status of a bond for this well in conformance with Rule 39 of the General Rules and Regulations of the Commission is as follows: Appld for American Emp. Ins. Co.

We propose to use the following strings of casing and to land or cement them as indicated:

Size of Hole	Size of Casing	Weight Per Foot	New or Second Hand	Depth	Landed or Cemented	Sacks Cement
10 "	8 1/4 "	30#	S. H.	Approx 150'	Cmt. 25 Sx.	
8 "	7 "	20#	New	1350'	Cmt. 100 sx. if it is necessary to use this pipe.	

If changes in the above plan become advisable we will notify you before cementing or landing casing. We estimate that the first productive oil or gas sand should occur at a depth of about 1500 feet.

Additional information:

Although the salt section should not be found on this location it will be protected according to the rules and regulations if it should be encountered.

MAY 31 1940

Approved _____, 19____
except as follows:

Sincerely yours,

E. Paul Moran

E. Paul Moran

Company or Operator

By Self.

Position Owner

Send communication regarding well to

Name E. PAUL MORAN P.O.B. 409

Address Carlsbad, N. M.

OIL CONSERVATION COMMISSION,

By Roy Garbrough

Title OIL & GAS INSPECTOR

Form C-102
DUPLICATE

NEW MEXICO OIL CONSERVATION COMMISSION
 Santa Fe, New Mexico

RECEIVED
 JUL 12 1940
RECEIVED
WORKS OFFICE

MISCELLANEOUS NOTICES

Submit this notice in triplicate to the Oil Conservation Commission or its proper agent before the work specified is to begin. A copy will be returned to the sender on which will be given the approval, with any modifications considered advisable, or the rejection by the Commission or agent, of the plan submitted. The plan as approved should be followed, and work should not begin until approval is obtained. See additional instructions in the Rules and Regulations of the Commission.

Indicate nature of notice by checking below:

NOTICE OF INTENTION TO TEST CASING SHUT-OFF	<input checked="" type="checkbox"/>	NOTICE OF INTENTION TO SHOOT OR CHEMICALLY TREAT WELL	
NOTICE OF INTENTION TO CHANGE PLANS		NOTICE OF INTENTION TO PULL OR OTHERWISE ALTER CASING	
NOTICE OF INTENTION TO REPAIR WELL		NOTICE OF INTENTION TO PLUG WELL	
NOTICE OF INTENTION TO DEEPEN WELL			

Carlsbad, New Mexico. July 7 1940

Place

Date

OIL CONSERVATION COMMISSION,
 Santa Fe, New Mexico.

Gentlemen:

Following is a notice of intention to do certain work as described below at the

E. Paul Moran,

Ramuz

Well No. 1

in NE 1/4 NW 1/4

Company or Operator

Lease

of Sec. 18, T. 23 south R. 26 east, N. M. P. M., Wildcat Field,

Eddy

County.

FULL DETAILS OF PROPOSED PLAN OF WORK

FOLLOW INSTRUCTIONS IN THE RULES AND REGULATIONS OF THE COMMISSION

Running 7 inch O.D. to shut-off water. Halliburton doing the cementing job, on ~~Wed~~ Tuesday, July 9th. Will drill cement plug on Friday, July 12th., and test for shut-off.

Estimated to use 14 sacks of cement.

JUL 12 1940

Approved _____, 19____
 except as follows:

E. Paul Moran,

Company or Operator

By E. Paul Moran

Position _____

Send communications regarding well to

Name E. Paul Moran

Address Carlsbad, New Mexico.

OIL CONSERVATION COMMISSION,

By Ray J. Gault

Title _____

OIL & GAS INSPECTOR

FORM C-102
DUPLICATE

NEW MEXICO OIL CONSERVATION COMMISSION
 Santa Fe, New Mexico

RECEIVED
 AUG 8 - 1940
HOBBBS OFFICE

MISCELLANEOUS REPORTS ON WELL

Submit this report in triplicate to the Oil Conservation Commission or its proper agent within ten days after the work specified is completed. It should be signed and sworn to before a notary public for reports on beginning drilling operations, results of shooting well, results of test of casing shut-offs, result of plugging of well and other important operations, even though the work was witnessed by an agent of the commission. Reports on minor operations need not be signed and sworn to before a notary public. See additional instructions in the Rules and Regulations of the Commission.

Indicate nature of report by checking below:

REPORT ON BEGINNING DRILLING OPERATIONS		REPORT ON REPAIRING WELL	
REPORT ON RESULT OF SHOOTING OR CHEMICAL TREATMENT OF WELL		REPORT ON PULLING OR OTHERWISE ALTERING CASING	
REPORT ON RESULT OF TEST OF CASING SHUT-OFF	X	REPORT ON DEEPENING WELL	
REPORT ON RESULT OF PLUGGING OF WELL			

Carlsbad, New Mexico.

August 1 1940

Place

Date

OIL CONSERVATION COMMISSION
 Santa Fe, New Mexico.

Gentlemen:

Following is a report on the work done and the results obtained under the heading noted above at the

E. Paul Moran

Ramuz

Well No. 1

in the

Company or Operator

Lease

NE 1/4 NW 1/4

of Sec. 18

T. 23 south

R. 26 east

N. M. P. M.,

Wildcat

Field, Eddy

County

The dates of this work were as follows: July 23-25

Notice of intention to do the work was (~~maxed~~) submitted on Form C-102 on July 7 1940 19 and approval of the proposed plan was (~~maxed~~) obtained. (Cross out incorrect words.)

DETAILED ACCOUNT OF WORK DONE AND RESULTS OBTAINED

After drilling plug, 2 bailers of water came in per hour, prepared well for Halliburton to test for shut off. Halliburton placed 600 lbs. pressure at the casing head and declared it to be a perfect shutoff. Water coming in is what water was absorbed by the open formation. Now bailing and water exhausting.

Witnessed by D. C. De Vito

Independent

Name

Company

Title

Subscribed and sworn to before me this 1st

day of August, 1940

Notary Public

My Commission expires August 5, 1941

I hereby swear or affirm that the information given above is true and correct.

Name E. Paul Moran

Position Owner

Representing _____
 Company or Operator

Address _____

Remarks:

Roy Garlsborg
 Name
 Oil & Gas Inspector

FORM C-102
 TRIPPLICATE

NEW MEXICO OIL CONSERVATION COMMISSION
 Santa Fe, New Mexico

RECEIVED
 NOV 18 1940
 NOTED
 PROBES OFFICE

MISCELLANEOUS REPORTS ON WELL

Submit this report in triplicate to the Oil Conservation Commission or its proper agent within ten days after the work specified is completed. It should be signed and sworn to before a notary public for reports on beginning drilling operations, results of shooting well, results of test of casing shut-offs, result of plugging of well, and other important operations, even though the work was witnessed by an agent of the commission. Reports on minor operations need not be signed and sworn to before a notary public. See additional instructions in the Rules and Regulations of the Commission.

Indicate nature of report by checking below:

REPORT ON BEGINNING DRILLING OPERATIONS		REPORT ON REPAIRING WELL	
REPORT ON RESULT OF SHOOTING OR CHEMICAL TREATMENT OF WELL		REPORT ON PULLING OR OTHERWISE ALTERING CASING	
REPORT ON RESULT OF TEST OF CASING SHUT-OFF		REPORT ON DEEPENING WELL	
REPORT ON RESULT OF PLUGGING OF WELL	X		

Carlsbad, New Mexico Nov 7 1940
 Place Date

OIL CONSERVATION COMMISSION
 Santa Fe, New Mexico.
 Gentlemen:

Following is a report on the work done and the results obtained under the heading noted above at the

E. Paul Moran Ramuz Well No. 1 in the
 Company or Operator Lease
 Center NE1/4NW1/4 of Sec. 18, T. 23 south, R. 26 east, N. M. P. M.,
 Wilcox Field, Eddy County

The dates of this work were as follows: August 10-15th., Nov. 5-6th., 1940

Notice of intention to do the work was (was not) submitted on Form C-102 on August 9 1940
 and approval of the proposed plan was (was not) obtained. (Cross out incorrect words.)

DETAILED ACCOUNT OF WORK DONE AND RESULTS OBTAINED

Cemented bottom water at 1808 feet with 10 sacks. Left 235 feet of 7 inch which was cemented to shut off water encountered at 1563-66". Filled hole with mud up to 225 feet from the surface and cemented with 10 sacks of cement in order to protect any surface waters. Left 100 feet of 8 1/2 inch surface pipe. Filled hole up with mud and placed a cement cap with regulation 4" pipe as marker.

Witnessed by D.C. De Vito and George Roundey, Independent Operators.
 Name Company Title

Subscribed and sworn to before me this 12th
 day of November, 1940

Notary Public

My Commission expires August 5, 1941

Remarks:

I hereby swear or affirm that the information given above is true and correct.

Name E. Paul Moran

Position Owner

Representing Company or Operator

Address Carlsbad, New Mexico.

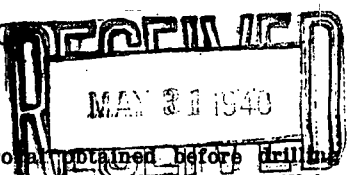
R. D. Yarbrough R. M.
 Name

OIL & GAS INSPECTOR

Title



NOTICE OF INTENTION TO DRILL



Notice must be given to the Oil Conservation Commission or its proper agent and approval obtained before drilling begins. If changes in the proposed plan are considered advisable, a copy of this notice showing such changes will be returned to the sender. Submit this notice in triplicate. One copy will be returned following approval. See additional instructions in Rules and Regulations of the Commission.

CARLSBAD, N. M. Jan. 10, 1940

Place

Date

OIL CONSERVATION COMMISSION,
Santa Fe, New Mexico

Gentlemen:

You are hereby notified that it is our intention to commence the drilling of a well to be known as

RAMUZ

Well No. 1 in

of Sec. 18, T. 23 S, R. 26 E, N. M. P. M., Dark Canyon Field, Eddy County.

The well is 660 ft feet [N.] [S.] of the North line and 1980 ft feet [E.] [W.] of the West line of Sec 18 Twp. 23 S Rnge. 26 E.

(Give location from section or other legal subdivision lines. Cross out wrong directions.)

If state land the oil and gas lease is No. Assignment No.

If patented land the owner is Ramuz, Carlsbad, N. M.

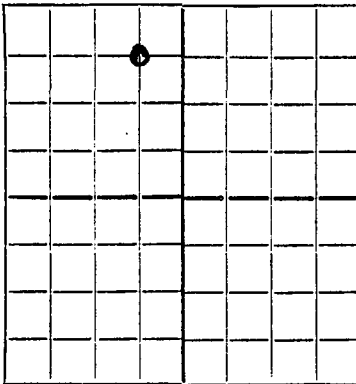
Address

If government land the permittee is

Address

The lessee is D. C. DeVito

Address Scharbauer Hotel, Midland, Texas

AREA 640 ACRES
LOCATE WELL CORRECTLY

We propose to drill well with drilling equipment as follows:

Model Super D Forth North spudder

The status of a bond for this well in conformance with Rule 39 of the General Rules and Regulations of the Commission is as follows: Appld for American Emp. Ins. Co.

We propose to use the following strings of casing and to land or cement them as indicated:

Size of Hole	Size of Casing	Weight Per Foot	New or Second Hand	Depth	Landed or Cemented	Sacks Cement
10 "	8 1/4 "	30#	S. H.	Approx 150'	Cmt. 25 Sx.	
8 "	7 "	20#	New	1350'	Cmt. 100 sx. if it is neccessary to use this pipe	

If changes in the above plan become advisable we will notify you before cementing or landing casing. We estimate that the first productive oil or gas sand should occur at a depth of about 1500 feet.

Additional information:

Although the salt section should not be found on this location it will be protected according to the rules and regulations if it should be encountered.

MAY 31 1940

Approved _____, 19____
except as follows:

Sincerely yours,

E. Paul Moran

E. Paul Moran

Company or Operator

By Self.

Position Owner

Send communication regarding well to

Name E. Paul Moran P.O.B. 409

Address Carlsbad, N. M.

OIL CONSERVATION COMMISSION,

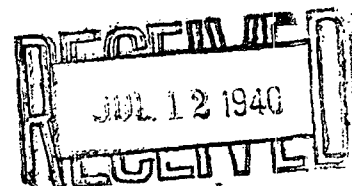
By Roy Garthroge

Title OIL & GAS INSPECTOR

NEW MEXICO OIL CONSERVATION COMMISSION

Santa Fe, New Mexico

MISCELLANEOUS NOTICES



Submit this notice in triplicate to the Oil Conservation Commission or its proper agent before the work specified is to begin. A copy will be returned to the sender on which will be given the approval, with any modifications considered advisable, or the rejection by the Commission or agent, of the plan submitted. The plan as approved should be followed, and work should not begin until approval is obtained. See additional instructions in the Rules and Regulations of the Commission.

Indicate nature of notice by checking below:

NOTICE OF INTENTION TO TEST CASING SHUT-OFF	<input checked="" type="checkbox"/>	NOTICE OF INTENTION TO SHOOT OR CHEMICALLY TREAT WELL	
NOTICE OF INTENTION TO CHANGE PLANS		NOTICE OF INTENTION TO PULL OR OTHERWISE ALTER CASING	
NOTICE OF INTENTION TO REPAIR WELL		NOTICE OF INTENTION TO PLUG WELL	
NOTICE OF INTENTION TO DEEPEN WELL			

Carlsbad, New Mexico. July 7 1940

Place

Date

OIL CONSERVATION COMMISSION,
Santa Fe, New Mexico.

Gentlemen:

Following is a notice of intention to do certain work as described below at the

E. Paul Moran,RamuzWell No. 1in NE 1/4 NW 1/4

Company or Operator

Lease

of Sec. 18, T. 23 south R. 26 east, N. M. P. M., Wildcat

Field,

Eddy

County.

FULL DETAILS OF PROPOSED PLAN OF WORK

FOLLOW INSTRUCTIONS IN THE RULES AND REGULATIONS OF THE COMMISSION

Running 7 inch O.D. to shut-off water. Halliburton doing the cementing job, on ~~xxxx~~ Tuesday, July 9th. Will drill cement plug on Friday, July 12th., and test for shut-off.

Estimated to use 14 sacks of cement.

JUL 12 1940

Approved _____, 19____
except as follows:

E. Paul Moran,

Company or Operator

By E. Paul Moran

Position _____

Send communications regarding well to

Name E. Paul MoranAddress Carlsbad, New Mexico.

OIL CONSERVATION COMMISSION,

By Roy Yarbrough

Title _____

OIL & GAS INSPECTOR

DUPLICATE

NEW MEXICO OIL CONSERVATION COMMISSION
Santa Fe, New Mexico

RECEIVED
AUG 8 - 1940
HOBBS OFFICE

MISCELLANEOUS REPORTS ON WELL

Submit this report in triplicate to the Oil Conservation Commission or its proper agent within ten days after the work specified is completed. It should be signed and sworn to before a notary public for reports on beginning drilling operations, results of shooting well, results of test of casing shut-offs, result of plugging of well and other important operations, even though the work was witnessed by an agent of the commission. Reports on minor operations need not be signed and sworn to before a notary public. See additional instructions in the Rules and Regulations of the Commission.

Indicate nature of report by checking below:

REPORT ON BEGINNING DRILLING OPERATIONS		REPORT ON REPAIRING WELL	
REPORT ON RESULT OF SHOOTING OR CHEMICAL TREATMENT OF WELL		REPORT ON PULLING OR OTHERWISE ALTERING CASING	
REPORT ON RESULT OF TEST OF CASING SHUT-OFF	X	REPORT ON DEEPENING WELL	
REPORT ON RESULT OF PLUGGING OF WELL			

Carlsbad, New Mexico.

August 1 1940

Place

Date

OIL CONSERVATION COMMISSION
Santa Fe, New Mexico.
Gentlemen:

Following is a report on the work done and the results obtained under the heading noted above at the

E. Paul Moran

Ramuz

Well No. 1 in the

Company or Operator

Lease

NE 1/4 NW 1/4

of Sec. 18, T. 23 south, R. 26 east, N. M. P. M.,

Wildcat

Field, Eddy County

The dates of this work were as follows: July 23-25

Notice of intention to do the work was (crossed out) submitted on Form C-102 on July 7 1940 19 and approval of the proposed plan was (crossed out) obtained. (Cross out incorrect words.)

DETAILED ACCOUNT OF WORK DONE AND RESULTS OBTAINED

After drilling plug, 2 bailers of water came in per hour, prepared well for Halliburton to test for shut off. Halliburton placed 600 lbs. pressure at the casing head and declared it to be a perfect shutoff. Water coming in is what water was absorbed by the open formation. Now bailing and water exhausting.

Witnessed by D. C. De Vito Independent
Name Company Title

Subscribed and sworn to before me this 1st

day of August, 1940

Notary Public

My Commission expires August 5, 1941

I hereby swear or affirm that the information given above is true and correct.

Name E. Paul Moran

Position Owner

Representing Company or Operator

Address

Remarks:

Roy Garbrough
Name
DIRECTOR

DUPLICATE

NEW MEXICO OIL CONSERVATION COMMISSION

Santa Fe, New Mexico

MISCELLANEOUS NOTICES

Submit this notice in triplicate to the Oil Conservation Commission or its proper agent before the work specified is to begin. A copy will be returned to the sender on which will be given the approval, with any modifications considered advisable, or the rejection by the Commission or agent, of the plan submitted. The plan as approved should be followed, and work should not begin until approval is obtained. See additional instructions in the Rules and Regulations of the Commission.

Indicate nature of notice by checking below:

NOTICE OF INTENTION TO TEST CASING SHUT-OFF		NOTICE OF INTENTION TO SHOOT OR CHEMICALLY TREAT WELL	
NOTICE OF INTENTION TO CHANGE PLANS		NOTICE OF INTENTION TO PULL OR OTHERWISE ALTER CASING	X
NOTICE OF INTENTION TO REPAIR WELL			
NOTICE OF INTENTION TO DEEPEN WELL		NOTICE OF INTENTION TO PLUG WELL	X

Calisbad, New Mexico

Place

August 9 1940

Date

OIL CONSERVATION COMMISSION,
Santa Fe, New Mexico.

Gentlemen:

Following is a notice of intention to do certain work as described below at the

E Paul Moran #1 Ramuz Well No. 1 in NE 1/4 NW 1/4
Company or Operator Lease
of Sec. 18, T. 23 S, R. 26 E, N. M. P. M., Wildcat Field,
Eddy County.

FULL DETAILS OF PROPOSED PLAN OF WORK

FOLLOW INSTRUCTIONS IN THE RULES AND REGULATIONS OF THE COMMISSION

Struck water (salt) at 1808' and came up approximately 1500' in the hole. We are cementing this water with 10 sacks of cement. Will leave in the hole between 200 and 250' of cemented pipe which we ran to shut off water encountered at 1563'. After balance of pipe is pulled will fill hole with mud up to 250' from the surface and cement with 10 sacks of cement to protect whatever surface waters there may be above, then will mud hole up to near the surface and place a cement cap with regulation 4" pipe as marker for this well

AUG 14 1940

Approved _____, 19____
except as follows:

E Paul Moran
Company or Operator

By _____

Position _____
Send communications regarding well to

OIL CONSERVATION COMMISSION,

By Roy Garbrough
Title OIL & GAS INSPECTOR

Name _____

Address _____

NEW MEXICO OIL CONSERVATION COMMISSION

Santa Fe, New Mexico

NOV 18 1940

MISCELLANEOUS REPORTS ON WELL

Submit this report in triplicate to the Oil Conservation Commission or its proper agent within ten days after the work specified is completed. It should be signed and sworn to before a notary public for reports on beginning drilling operations, results of shooting well, results of test of casing shut-offs, result of plugging of well, and other important operations, even though the work was witnessed by an agent of the commission. Reports on minor operations need not be signed and sworn to before a notary public. See additional instructions in the Rules and Regulations of the Commission.

Indicate nature of report by checking below:

REPORT ON BEGINNING DRILLING OPERATIONS		REPORT ON REPAIRING WELL	
REPORT ON RESULT OF SHOOTING OR CHEMICAL TREATMENT OF WELL		REPORT ON PULLING OR OTHERWISE ALTERING CASING	
REPORT ON RESULT OF TEST OF CASING SHUT-OFF		REPORT ON DEEPENING WELL	
REPORT ON RESULT OF PLUGGING OF WELL	X		

Carlsbad, New Mexico

Nov 7 1940

OIL CONSERVATION COMMISSION
Santa Fe, New Mexico.
Gentlemen:

Following is a report on the work done and the results obtained under the heading noted above at the

E. Paul Moran Ramuz Well No. 1 in the
Company or Operator Lease
Center NE 1/4 NW 1/4 of Sec. 18 T. 23 south, R. 26 east, N. M. P. M.,
Wildcat Field, Eddy County

The dates of this work were as follows: August 10-15th., Nov. 5-6th., 1940

Notice of intention to do the work was (was not) submitted on Form C-102 on August 9 1940
and approval of the proposed plan was (was not) obtained. (Cross out incorrect words.)

DETAILED ACCOUNT OF WORK DONE AND RESULTS OBTAINED

Cemented bottom water at 1808 feet with 10 sacks. Left 235 feet of 7 inch which was cemented to shut off water encountered at 1563-66'. Filled hole with mud up to 225 feet from the surface and cemented with 10 sacks of cement in order to protect any surface waters. Left 100 feet of 8 1/4 inch surface pipe. Filled hole up with mud and placed a cement cap with regulation 4" pipe as marker.

Witnessed by D.C. De Vito and George Roundey, Independent Operators.
Name Company Title

Subscribed and sworn to before me this 12
day of November, 1940

Notary Public

My Commission expires August 5, 1941

Remarks:

I hereby swear or affirm that the information given above is true and correct.

Name E. Paul Moran

Position Owner

Representing Company or Operator

Address Carlsbad, New Mexico.

R. O. Yarbrough
Name

OIL & GAS INSPECTOR

Title

Bryan Arrant - 505 - 148 - 7120

Page 1

OXY HONEST JOHN STATE NO. 1
API#: 30-015-31466-00
03/15/2001

Job: DRILL AND EQUIP

Rig#: 207

Contractor: UTI

Flag: DRILL AND EQUIP

Days Since Spud:

Total Depth (Md): 395

Amt Drilled (Md): 370

P.B.T.D. (Mtd):

Perforations:

Formations:

Pros Ops: SURFACE ROCK

DRILLING

Days on Location: 1

Total Depth (Tvd):

Amt Drilled (Tvd): 0

P.B.T.D. (Tvd):

Daily Cost: \$87151 CUM Cost: \$90631 AFE Cost: \$0

CMIC: BOWKER

Mud Data

Mud Wt: 8.4 Mud MB: Mud MP: Funnel Visc: 28 Solids %:

Daily Mud Cost: \$1398 CUM Mud Cost: \$1398

Pump Data

Pump Press: 650 SPR Depth: Mud Wt: Av DP: Av DC:
#1 Line Sz: 5.5 Stroke Len: 16 Max SPM: 60 Vol: 320
#2 Line Sz: 5.5 Stroke Len: 16 Max SPM: Vol:

Casing String Data

Last Casing Sz: 20 Depth: 40 Liner Size: Topo: Btm:
Shoe Test: MACP: String Wt: 45000 Torque: Mud Wt:
BHA Wt in Mud: Rot Hrs: 11.25 Wt BLW Jars: BHA LG: 354.77
Drill Collar #: 4 P.U. Wt: 45000 SO Wt: 45000
Drill Collar OD: 8 6.25 Tool Joints: 6 5/8REG 4 1/2XO
Drill Pipe O.D.: 4.5 Tool Joints: XO

Bit Data

Bit: 1 Size: 17.5 Type: M553 Make: SEC Serial #: D09872 IADC:
Surf HHP: HHP: In/Out: 40 HP/T2: HHP:
Amt Drld: 355 Rot Hr: 11.25 WOB Hi/Lo: 45/20 RPM Hi/Lo: 110/80 ROP: 31.56
Jets #1: 12 #2: 13 #3: 13 #4: Bit Torque:
Jets #1: 12 #2: 13 #3: 13 #4: Bit Torque:

Survey Data

--Coordinates-- Vertical Dog Bit
MD TVD Angle Direction N or S E or W Section Leg WOB RPM
200 0.75

Mud Log Data

ROP Ft/Hr Avg: 30 Max: 60 BGG Avg: Max: CG:

Rig Time Data

Inspect DP: Wash Ream: Swabbing: Abandon: C & CM: 1
Rig Service: Rig Repair: Observe: Rig Down: Rig Up: 6
Stimulating: Surveying: 0.25 Drilling: 11.25 Logging: Fishing:
Trip Tubing: Trip Rods: Tripping: 0.5 WOC: WOW:
Drly Cement: Other: 5

Misc Data

Personnel Contract: 13 OXY: 1 Service: 12 Other:
Rig Fuel: 10136 Used: Recv'd: 10136 Bar on Loc:

Detail Remarks:

WELL WAS TEMP. DROPPED FROM REPORT 2-24-01 W/O ROTARY RIG. LOCATION STAKED
BY BASIN SURVEYORS 1980' FNL, 1700' FEL, SECTION 18, T23S, R26E, EDDY
COUNTY, NEW MEXICO. BUILT LOCATION AND ROAD. DUG AND LINED RESERVE PIT.
SET 20" CONDUCTOR PIPE AT 40' AND CEMENTED WITH READY-MIX. MIRO UTI DRILLING
RIG 207. SPUDED 17 1/2" HOLE AT 1400 HOURS MST 3-14-01. DRILLED TO 156'
AND LOST RETURNS. MIXED LCM WITH NO SUCCESS. DRY DRILLING AT REPORT TIME
WITH NO PROBLEMS.

Willie - This is
a 'recently' drilled
well that is @ 1/2 mile
from the monitor well
in the Sheep Draw
well field

Bryan

OXY HONEST JOHN STATE NO. 1
API#: 30-015-31466-00
03/16/2001

Job: DRILL AND EQUIP

Rig#: 207

Contractor: UTI

Flag:

Days Since Spud: 1

Days on Location: 2

Total Depth (Md): 719

Total Depth (Tvd):

Amt Drilled (Md): 324

Amt Drilled (Tvd): 0

P.B.T.D. (Md):

P.B.T.D. (Tvd):

Perforations:

Formations: SURFACE ROCK

Pres Opra: WOC

Daily Cost: \$28651

CUM Cost: \$119302

AFE Cost: \$0

CMIC: BOWKER

Mud Data

Mud Wt: 8.3 Mud MB: Mud MP: Funnel Visc: 28 Solids %:

Daily Mud Cost: \$1365

CUM Mud Cost: \$2763

Pump Data

Pump Press: 750 SPR Depth: Mud Wt: Av DP: Av DC:
#1 Line Sz: 5.5 Stroke Len: 16 Max SPM: 60 Vol: 320
#2 Line Sz: 5.5 Stroke Len: 16 Max SPM: Vol:

Casing String Data

Last Casing Sz: 13.375 Depth: 718 Liner Size: Top@: Btm@:
BHA Wt in Mud: Rot Hrs: 27.25 Wt BLW Jars: BHA LG:
Drill Pipe O.D.: 4.5 Tool Joints: X0

Bit Data

Bit: 1 Size: 17.5 Type: M553 Make: SEC Serial #: D09872 TADC:
Surf HHP: HHP: In/Out: 40/719 HP/I2: \$HP:
Amt Drld: 679 Rot Hr: 27.25 WOB Hi/Lo: 45/20 RPM Hi/Lo: 110/80 ROP: 24.92
Jets #1: 12 #2: 13 #3: 13 #4: Bit Torque:
TFA: API Grading T: 2 B: 2 G: I Remarks:

Survey Data

--Coordinates-- Vertical Dog Bit
MD TVD Angle Direction N or S E or W Section Leg WOB RPM
387 0.75
719 0.5

Mud Log Data

ROP Ft/Hr Avg: 20 Max: 30 BGG Avg: Max: CG:

Rig Time Data

Inspect BP: Wash Ream: 1.5 Swabbing: Abandon: C & CM: 0.75
Circ Sample: Completing: Cementing: 1 Coring: Cut DL:
Set Packers: Run Tubing: Run Casing: 2.5 Set Plugs: Drv Pipe:
Stimulating: Surveying: 0.5 Drilling: 16 Logging: Fishing:
Trip Tubing: Trip Rods: Tripping: 1.25 WOC: 0.5 WOW:

Misc Data

Personnel Contract: 13 OXY: 1 Service: 12 Other:
Rig Fuel: 7298 Used: 1183 Recv'd: 0 Bar on Loc:

Detail Remarks:

DRILLED TO CASING POINT OF 719'. PUMPED SWEEP AND RAN WLS. POOH WITH BIT AND BHA. RU CASING CREW. RAN 16 JOINTS 13 3/8" CASING. WASHED 20' TO BOTTOM AND SET AT 718'. CLEARED CASING WITH RIG PUMP. RU B.J. MIXED 4 SX GW-27 IN 10 BBLs F.W. AHEAD. MIXED AND PUMPED 200 SX CLASS H CONTAINING 1% CACL2, 1/4# CELLOFLAKES, 10# GILSONITE, AND 10# A-10B, FOLLOWED BY 366 SX 35:65:6 CONTAINING 2% CACL2, 5# GILSONITE, AND 1/4# CELLOFLAKES. TAILED IN WITH 200 SX CLASS C CONTAINING 2% CACL2. DISPLACED CEMENT TO FLOAT WITH F.W. F.D. AT 0540 HOURS MST 3-16-01 WITH 500#. LEFT WELL S.I. WOC. HAD NO CIRCULATION DURING JOB. MIKE STUBBLEFIELD WITH NMOCD NOTIFIED OF CEMENT JOB BUT DID NOT WITNESS.

OXY HONEST JOHN STATE NO. 1
API#: 30-015-31466-00
03/17/2001

Job: DRILL AND EQUIP

Rig#: 207

Contractor: UTI

Flag:

Days Since Spud: 2

Days on Location: 3

Total Depth (Md): 719

Total Depth (Tvd):

Amt Drilled (Md): 0

Amt Drilled (Tvd): 0

P.B.T.D. (Mtd):

P.B.T.D. (Tvd):

Perforations:

Formations: SURFACE ROCK

Pres Oprs: TIH WITH BIT

Daily Cost: \$33346

CUM Cost: \$152648

APE Cost: \$0

CMIC: BOWKER

Mud Data

Mud Wt: 8.3	Mud MB:	Mud MP:	Funnel Visc: 28	Solids %:
PH Factor: 7	Mud PM:	Mud PP:	Mud PV:	Sand %:
Calcium: 480	LCM:	Ex Lime:	Elec Stbl:	Oil %:
Chlorides: 1100	HTP 500:		HTP 100:	Oil/Wtr:

Daily Mud Cost: \$341

CUM Mud Cost: \$3104

Casing String Data

Last Casing Sz: 13.375	Depth: 718	Liner Size:	Top@:	Btm@:
BHA Wt in Mud:	Rot Hrs: 27.25	Wt BLW Jars:	BHA LG:	
Drill Collar #: 7		P.V. Wt:	SO Wt:	
Drill Collar OD: 8	6.25	Tool Joints: 6 5/8 REG	4 1/2 XO	
Drill Pipe O.D.: 4.5		Tool Joints: XO		

Bit Data

Bit: 2	Size: 12.25	Type: HR30C	Make: HTC	Serial #: G81JB	IADC: 547
Surf HHP:	HHP:	In/Out: 719	HF/I2:	%HP:	
Jets #1:12	#2:12	#3:12	#4:	Bit Torque:	
Jets #1:12	#2:12	#3:12	#4:	Bit Torque:	

Rig Time Data

Nu-Nd BOP: 4.5	Pu-Ld BHA: 0.5	Pu-Ld DP:	Jack Down:	Jack Up:
Trip Tubing:	Trip Rods:	Tripping:	WOC: 15.5	WOW:

Misc Data

Personnel	Contract: 13	OXY: 1	Service: 7	Other:
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Detail Remarks:

WOC FOR 5 HOURS. RAN TEMPERATURE SURVEY AND SHOWED TOC AT 116'. RIH WITH 1" TBG AND TAGGED CEMENT AT 155'. SPOTTED 50 SX CLASS C CONTAINING 5% CACL2. POOH WITH 1". WOC 2 HOURS. REIH WITH 1" AND TAGGED CEMENT AT 108'. ATTEMPT TO BREAK CIRCULATION W/O SUCCESS. SPOTTED 50 SX CLASS C WITH 5% CACL2. POOH WITH 1". WOC 2 HOURS. RIH WITH 1" AND TAGGED UP AT 90'. BROKE CIRCULATION WITH F.W. MIXED AND PUMPED 150 SX CLASS C WITH 2% CACL2. CIRCULATED 20 SX TO PIT. R.D. B.J. WOC 3 HOURS. CUT OFF CASING AND CONDUCTOR PIPE. WELDED ON 13 5/8" 3-M STARTING HEAD. TESTED HEAD TO 500#. O.K. NU 13 5/8" HYDRIL. TIH WITH BIT AND BHA AT REPORT TIME. MIKE STUBBLEFIELD WITH NMOC NOTIFIED OF CEMENT JOB BUT DID NOT WITNESS.

OXY HONEST JOHN STATE NO. 1
API#: 30-015-31466-00
03/18/2001

Job: DRILL AND EQUIP
Rig#: 207
Contractor: UTI
Flag:

Days Since Spud: 3 Days on Location: 4
Total Depth (Md): 1488 Total Depth (Tvd):
Amt Drilled (Md): 769 Amt Drilled (Tvd): 0
P.B.T.D. (Md): P.B.T.D. (Tvd):

Perforations:
Formations: ANHYDRITE
Pres Opns: DRILLING

Daily Cost: \$18360 CUM Cost: \$171008 AFE Cost: \$0
CMIC: BOWKER

Mud Data

Mud Wt: 8.4	Mud MB:	Mud MF:	Funnel Visc: 28	Solids %:
PH Factor: 10	Mud FM:	Mud PP:	Mud FV:	Sand %:
Chlorides: 1300	HTP 500:		HTP 100:	Oil/Wtr:

Daily Mud Cost: \$0 CUM Mud Cost: \$3104

Pump Data

Pump Press: 1100	SPR Depth:	Mud Wt:	AV DP:	AV DC:
#1 Line Sz: 5.5	Stroke Len: 16	Max SPM: 60	Vol: 320	
#2 Line Sz: 5.5	Stroke Len: 16	Max SPM:	Vol:	

Kill Spd #1: 510038

Casing String Data

Last Casing Sz: 13.375	Depth: 718	Liner Size:	Top@:	Bot@:
Shoe Test:	MACP:	String Wt: 110000	Torque:	Mud Wt:
BHA Wt in Mud:	Rot Hrs: 47.75	Wt BLW Jars:	BHA LG: 956.32	
Drill Collar #: 7	24	P.U. Wt: 110000	SO Wt: 110000	
Drill Collar OD: 8	6.25	Tool Joints: 6 5/8 REG	4 1/2 XO	
Drill Pipe O.D.: 4.5		Tool Joints: XO		

Bit Data

Bit: 2	Size: 12.25	Type: HR30C	Make: HTC	Serial #: C81JE	IADC: 547
Surf HHP:	HHP:	In/Out: 719	RP/I2:	%HP:	
Amt Drld: 769	Rot Hrs: 20.5	WOB Hi/Lo: 65/45	RPM Hi/Lo: 80/75	ROP: 17.51	
Jets #1: 12	#2: 12	#3: 12	#4:	Bit Torque:	
Jets #1: 12	#2: 12	#3: 12	#4:	Bit Torque:	

Survey Data

MD	TVD	Angle	Direction	N or S	E or W	Section	Dog	Leg	WOB	Bit
988		1								RPM

Mud Log Data

ROP Ft/Hr Avg: 38	Max: 50	BGG Avg:	Max:	CG:
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Rig Time Data

Stimulating:	Surveying:	0.25	Drilling:	20.5	Logging:	Fishing:
Trip Tubing:	Trip Rods:		Tripping:	1.75	WOC:	WOW:
Drlg Cement: 1.25	Other:	0.25				

Misc Data

Personnel	Contract: 13	OXY: 1	Service: 2	Other:
Rig Fuel: 6397	Used: 661	Recv'd:	Bar on Loc:	
Last BOP Test	Date: 03/17/01	Press: 500#	Remarks:	

Detail Remarks:

FINISHED NU BOP. TIW WITH BIT AND BHA. TESTED CASING AND HYDRIL TO 500#.
O.K. DRILLED CEMENT AND SHOE. DRILLING AHEAD AT REPORT TIME WITH NO PROBLEMS.

Page 5

OXY HONEST JOHN STATE NO. 1
API#: 30-015-31466-00
03/19/2001

Job: DRILL AND EQUIP

Rig#: 207

Contractor: UTI

Flag:

Days Since Spud: 4

Days on Location: 5

Total Depth (Md): 2143

Total Depth (Tvd):

Amt Drilled (Md): 655

Amt Drilled (Tvd): 0

P.B.T.D. (Md):

P.B.T.D. (Tvd):

Perforations:

Formations: ANHYDRITE

Pres Oprs: DRILLING

Daily Cost: \$10051

CUM Cost: \$181059

AFE Cost: \$0

CMIC: BOWKER

Mud Data

Mud Wt: 9.4	Mud MB:	Mud MP:	Funnel Visc: 28	Solids %:
PH Factor: 10	Mud PM:	Mud PF:	Mud FV:	Sand %:
Calcium: 720	LCM:	Ex Lime:	Elec Stbl:	Oil %:
Chlorides: 1150	HTP 500:		HTP 100:	Oil/Wtr:

Daily Mud Cost: \$246

CUM Mud Cost: \$3350

Pump Data

Pump Press: 1100	SPR Depth:	Mud Wt:	Av DP:	Av DC:
#1 Line Sz: 5.5	Stroke Len: 16	Max SPM: 60	Vol: 320	
#2 Line Sz: 5.5	Stroke Len: 16	Max SPM:	Vol:	
Kill Spd #1: 510@38				

Bit Data

Bit: 2	Size: 12.25	Type: HR30C	Make: HTC	Serial #: G81JE	IADC: 547
Surf RHP:	RHP:	In/Out: 719	HP/I2:	HP:	
Amt Drld: 1424	Rot Hr: 43.25	WOB Hi/Lo: 65/45	RPM Hi/Lo: 80/75	ROP: 32.92	
Jets #1: 12	#2: 12	#3: 12	#4:	Bit Torque:	
Jets #1: 12	#2: 12	#3: 12	#4:	Bit Torque:	

Survey Data

MD	TVD	Angle	Direction	N or S	E or W	Vertical	Dog	Bit
1460		1.75					Leg	WOB
1621		1.25						RPM
1814		1.75						
1971		1.75						

Mud Log Data

ROP Ft/Hr Avg: 30	Max: 50	BGG Avg:	Max:	CG:
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Rig Time Data

Stimulating:	Surveying: 1.25	Drilling: 22.75	Logging:	Fishing:
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Misc Data

Personnel	Contract: 13	OXY: 1	Service: 2	Other:
Rig Fuel: 5761	Used: 636	Recv'd: 0	Bar on Loc:	

Detail Remarks:

DRILLING AHEAD WITH NO PROBLEMS.

OXY HONEST JOHN STATE NO. 1
API#: 30-015-31466-00
03/20/2001

Job: DRILL AND EQUIP

Rig#: 207

Contractor: UTI

Flag:

Days Since Spud: 5

Days on Location: 6

Total Depth (Md): 2781

Total Depth (Tvd):

Amt Drilled (Md): 638

Amt Drilled (Tvd): 0

P.B.T.D. (Mtd):

P.B.T.D. (Tvd):

Perforations:

Formations: ANHYDRITE

Pres Opns: DRILLING

Daily Cost: \$13049

CUM Cost: \$194108

AFE Cost: \$0

CMIC: BOWKER

Mud Data

Mud Wt: 8.4	Mud MB:	Mud MF:	Funnel Visc: 28	Solids %:
PH Factor: 10	Mud PM:	Mud PF:	Mud FV:	Sand %:
Calcium: 400	LCM:	Ex Lime:	Elec Stbl:	Oil %:
Chlorides: 3000	HTP 500:		HTP 100:	Oil/Wtr:

Daily Mud Cost: \$200

CUM Mud Cost: \$3550

Pump Data

Pump Press: 1100	SPR Depth:	Mud Wt:	Av DP:	Av DC:
#1 Line Sz: 5.5	Stroke Len: 16	Max SPM: 60	Vol: 320	
#2 Line Sz: 5.5	Stroke Len: 16	Max SPM:	Vol:	

Kill Spd #1: 520@38

Casing String Data

Last Casing Sz: 13.375	Depth: 718	Liner Size:	Topo:	Btm@:
Shoe Test:	MACP:	String Wt: 130000	Torque:	Mud Wt:
BHA Wt in Mud:	Rot Hrs: 71	Wt BLW Jars:	BHA LG: 956.32	
Drill Collar #: 7	24	P.U. Wt: 132000	SO Wt: 128000	
Drill Collar OD: 8	6.25	Tool Joints: 6 5/8 REG	4 1/2 XO	
Drill Pipe O.D.: 4.5		Tool Joints: XO		

Bit Data

Bit: 2	Size: 12.25	Type: HR30C	Make: HTC	Serial #: G81JE	IADC: 547
Surf HHP:	HHP:	In/Out: 719	HP/12:	WHP:	
Amt Drld: 2062	Rot Hr: 66.75	WOB Hi/Lo: 65/45	RPM Hi/Lo: 80/75	ROP: 30.89	
Jets #1: 12	#2: 12	#3: 12	#4:	Bit Torque:	
Jets #1: 12	#2: 12	#3: 12	#4:	Bit Torque:	

Survey Data

MD		TVD		Angle		Direction N or S		E or W		Vertical		Dog		Bit	
2195		1.25													
2386		0.75													
2602		0.75													

Mud Log Data

ROP Ft/Hr Avg: 27	Max: 45	BGG Avg:	Max:	CG:
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Rig Time Data

Stimulating:	Surveying: 0.75	Drilling: 23.25	Logging:	Fishing:
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Misc Data

Personnel	Contract: 13	OXY: 1	Service: 2	Other:
Rig Fuel: 5123	Used: 638	Recv'd: 0	Bar on Loc:	

Detail Remarks:

DRILLING AHEAD WITH NO PROBLEMS. RAN FLUID CALIPER FOR CEMENT CALCULATIONS.

OXY HONEST JOHN STATE NO. 1
API#: 30-015-31466-00
03/21/2001

Job: DRILL AND EQUIP

Rig#: 207

Contractor: UTI

Flag:

Days Since Spud: 6

Days on Location: 7

Total Depth (Md): 2807

Total Depth (Tvd):

Amt Drilled (Md): 26

Amt Drilled (Tvd): 0

P.B.T.D. (Md):

P.B.T.D. (Tvd):

Perforations:

Formations: DOLOMITE

Pres Opns: RU TO TEST BOP

Daily Cost: \$86124

CUM Cost: \$280232

AFE Cost: \$0

CMIC: BOWKBR

Mud Data

Mud Wt: 8.4 Mud MB: Mud MP: Funnel Visc: 28 Solids %:

Daily Mud Cost: \$0

CUM Mud Cost: \$3550

Pump Data

Pump Press:	SPR Depth:	Mud Wt:	AV DP:	AV DC:
#1 Line Sz: 5.5	Stroke Len: 16	Max SPM: 60	Vol: 320	
#2 Line Sz: 5.5	Stroke Len: 16	Max SPM:	Vol:	

Casing String Data

Last Casing Sz:	Depth:	Liner Size:	Top@:	Btm@:
9.625	2807			
BHA Wt in Mud:	Rot Hrs: 72.25	Wt BLW Jars:	BHA LG:	
Drill Pipe O.D.: 4.5		Tool Joints: X0		

Bit Data

Bit: 2	Size: 12.25	Type: HR30C	Make: HTC	Serial #: G81JE	IADC: 547
Surf WHP:	HHP:	In/Out: 719/2807	HP/I2:	WHP:	
Amt Drld: 2088	Rot Hrs: 68	WOB HI/Lo: 65/45	RPM HI/Lo: 80/75	ROP: 30.71	
Jets #1: 12	#2: 12	#3: 12	#4:	Bit Torque:	
TFA:	API Grading T: 2	B: 2	G: I	Remarks:	

Survey Data

MD	TVD	Angle	Direction	N or S	E or W	Section	Dog Leg	WOB	Bit RPM
2766		1							

Mud Log Data

ROP Ft/Hr	Avg: 25	Max:	35	BGG Avg:	Max:	CG:

Rig Time Data

Inspect DP:	Wash Ream:	Swabbing:	Abandon:	C & CM:
Nu-Nd BOP: 10.5	Pu-Ld BHA:	Pu-Ld DP:	Jack Down:	2.25
Circ Sample:	Completing:	Cementing: 2	Coring:	Jack Up:
Set Packers:	Run Tubing:	Run Casing: 4.5	Set Plugs:	Cut DL:
Stimulating:	Surveying:	Drilling: 1.25	Logging:	Drv Pipe:
Trip Tubing:	Trip Rods:	Tripping: 3.25	WOC:	Fishing:
				WOW:

Misc Data

Personnel	Contract: 13	OXY: 1	Service: 15	Other:
Rig Fuel: 4769	Used: 354	Recv'd: 0	Bar on Loc:	

Detail Remarks:

DRILLED TO CASING POINT OF 2807'. PUMPED SWEEP AND DROPPED TOTCO. TOOK WITH BIT AND BHS. SLM-2807'. RU CASING CREW. RAN 61 JOINTS 9 5/8" CASING AND SET AT 2807'. CIRCULATED FOR 30 MINS WITH RIG PUMP. RU B.J. MIXED AND PUMPED 780 SX 35:65:6 CONTAINING 14 CACL2, 5# GILSONITE, AND 1/4# CELLOFLAKES. TAILED IN WITH 200 SX CLASS C CONTAINING 2% CACL2. DISPLACED CEMENT TO FLOAT WITH F.W. P.D. AT 1915 HOURS MST 3-2-01 WITH 1400#. RELEASED PRESSURE AND FLOATS HELD O.K. CIRCULATED 194 SX TO PIT. R.D. B.J. P.U. BOP AND SET SLIPS WITH 100,000 #. CUT OFF CASING. NU 13 5/8" 3-M BY 11" 5-M "B" SECTION. TESTED SEALS TO 1500#. O.K. NU BOP AND CHOKE MANIFOLD. RU TO TEST BOP AT RBPOT TIME. MIKE STUBBLEFIELD WITH NMCD NOTIFIED BUT DID NOT WITNESS.

OXY HONEST JOHN STATE NO. 1
API#: 30-015-31466-00
03/22/2001

Job: DRILL AND EQUIP

Rig#: 207

Contractor: UTI

Flag: GREEN

Days Since Spud: 84

Days on Location: 84

Total Depth (Md): 2995

Total Depth (Tvd):

Amt Drilled (Md): 188

Amt Drilled (Tvd): 0

P.B.T.D. (Mtd):

P.B.T.D. (Tvd):

Perforations:

Formations: DELAWARE

Pres Oprs: DRILLING

Daily Cost: \$25272

CUM Cost: \$305504

AFE Cost: \$0

CMIC: MIKE LOVE

Mud Data

Mud Wt: 8.4	Mud MB:	Mud MP:	Funnel Visc: 28	Solids %:
PH Factor: 10	Mud PM:	Mud PF:	Mud FV:	Sand %:
Calcium: 400	LCM:	Ex Lime:	Elec Stbl:	Oil %:
Chlorides: 3000	HTP 500:		HTP 100:	Oil/Wtr:

Daily Mud Cost: \$673

CUM Mud Cost: \$4223

Pump Data

Pump Pres: 1150	SPR Depth:	Mud Wt:	Av DP:	Av DC:
#1 Line Sz: 5.5	Stroke Len: 16	Max SPM: 60	Vol: 320	
#2 Line Sz: 5.5	Stroke Len: 16	Max SPM:	Vol:	
Kill Spd #1: 450037				

Casing String Data

Last Casing Sz: 9.625	Depth: 2807	Liner Size:	Topo:	Btmo:
Shoe Test:	MACP:	String Wt: 120	Torque:	Mud Wt:
BHA Wt in Mud:	Rot Hrs: 77	Wt B/LW Jars:	BHA LG: 898.92	
Drill Collar #: 6		P.D. Wt: 122	SO Wt: 118	
Drill Collar OD: 29		Tool Joints: 4.5 XH		
Drill Pipe O.D.: 4.5		Tool Joints: XO		

Bit Data

Bit: 3	Size: 8.75	Type: HRS38C	Make: HTC	Serial #: G53UR	IADC:
Surf HHP:	HHP:	In/Out: 2807	HP/I2:	%HP:	
Amt Drld: 188	Rot Hr: 4.75	WOB Hi/Lo: 60	RPM Hi/Lo: 60	ROP: 39.58	
Jets #1: 13	#2: 13	#3: 13	#4:	Bit Torque:	
Jets #1: 13	#2: 13	#3: 13	#4:	Bit Torque:	

Rig Time Data

Nu-Nd BOP: 1	Pu-Ld BHA:	Pu-Ld DP:	Jack Down:	Jack Up:
Leak Off Test:	Slp Cut Cag:	Test Plugs:	Test BOP: 12	Testing: 0.25
Circ Sample:	Completing:	Cementing:	Coring:	Cut DL: 1
Stimulating:	Surveying:	Drilling: 4.75	Logging:	Fishing:
Trip Tubing:	Trip Rods:	Tripping: 2.5	WOC:	WOW:
Drig Cement: 2.5	Other:			

Misc Data

Personnel	Contract: 15	OXY: 1	Service: 9	Other:
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Detail Remarks:

COMPLETED NIPPLING UP BOP AND MANIFOLD. MIRU SAFETY TEST AND TESTED BOP TO 5000#. TIH WITH BIT #3 AND DRILLED CEMENT TO 2807. DRILLED 10' OF NEW FORMATION AND TESTED TO 11.5# ENW, DRILLING AHEAD AT REPORT TIME WITH NO PROBLEMS.

OXY HONEST JOHN STATE NO. 1
API#: 30-015-31466-00
03/23/2001

Job: DRILL AND EQUIP

Rig#: 207

Contractor: UTI

Flag: GREEN

Days Since Spud: 85

Days on Location: 85

Total Depth (Md): 3850

Total Depth (Tvd):

Amt Drilled (Md): 855

Amt Drilled (Tvd): 0

P.B.T.D. (Md):

P.B.T.D. (Tvd):

Perforations:

Formations: DELAWARE

Pres Oprs: DRILLING

Daily Cost: \$39761

CUM Cost: \$345265

AFE Cost: \$0

CMIC: MIKE LOVE

Mud Data

Mud Wt: 9.1	Mud MB:	Mud MP:	Funnel Visc: 28	Solids %:
calcium: 260	LCM:	Ex Lime:	Elec Stbl:	Oil %:

Daily Mud Cost: \$0

CUM Mud Cost: \$4223

Pump Data

Pump Press: 1150	SPR Depth:	Mud Wt:	Av DP:	Av DC:
#1 Line Sz: 5.5	Stroke Len: 16	Max SPM: 60	Vol: 320	
#2 Line Sz: 5.5	Stroke Len: 16	Max SPM:	Vol:	
Kill Spd #1: 520#37				

Casing String Data

Last Casing Sz: 9.625	Depth: 2807	Liner Size:	Top@:	Btm@:
Shoe Test:	MACP:	String Wt: 132	Torque:	Mud Wt:
BHA Wt in Mud:	Rot Hrs: 100	Wt BLW Jars:	BHA LG: 898.92	
Drill Collar #: 6		P.U. Wt: 135	SO Wt: 129	
Drill Collar OD: 29		Tool Joints: 4.5 XH		
Drill Pipe O.D.: 4.5		Tool Joints: X0		

Bit Data

Bit: 3	Size: 8.75	Type: HRS38C	Make: HTC	Serial #: G53JR	IADC:
Surf MHP:	HNP:	In/Out: 2807	HP/I2:	%HP:	
Amt Drld: 1043	Rot Hr: 27.5	WOB Hi/Lc: 60	RPM Hi/Lc: 60	ROP: 219.58	
Jets #1: 13	#2: 13	#3: 13	#4:	Bit Torque:	
Jets #1: 13	#2: 13	#3: 13	#4:	Bit Torque:	

Survey Data

MD	TVD	Angle	Direction	N or S	E or W	Section	Dog	Leg	WOB	Bit
3307		1								RPM
3785		1								

Mud Log Data

ROP Ft/Hr Avg: 37.17	Max:	BGG Avg: 20	Max:	100	CG: 220
Lithology: 10% SHALE, 90% SAND					

Rig Time Data

Stimulating:	Surveying: 1	Drilling: 23	Logging:	Fishing:
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Misc Data

Personnel	Contract: 15	OXY: 1	Service: 4	Other:
Rig Fuel: 3790	Used: 697	Recv'd:	Bar on Loc:	

Detail Remarks:

DRILLING AHEAD THROUGH STEEL PITS WITH 9.1# MW WITH NO PROBLEMS. LOOKING FOR 9.3# EMW KICK AT 3950 TO 4000.

OXY HONEST JOHN STATE NO. 1
API#: 30-015-31466-00
03/24/2001

Job: DRILL AND EQUIP

Rig#: 207

Contractor: UTI

Flag: GREEN

Days Since Spud: 86

Days on Location: 86

Total Depth (Md): 4430

Total Depth (Tvd):

Amt Drilled (Md): 580

Amt Drilled (Tvd): 0

P.B.T.D. (Mtd):

P.B.T.D. (Tvd):

Perforations:

Formations: DELAWARE

Pres Oprs: DRILLING

Daily Cost: \$10961

CUM Cost: \$356226

AFE Cost: \$0

CMIC: MIKE LOVE

Mud Data

Mud Wt: 9.1	Mud MB:	Mud MP:	Funnel Visc: 28	Solids %:
PH Factor: 11.5	Mud PM:	Mud PF:	Mud PV:	Sand %:
Calcium: 600	LCM:	EX Lime:	Blec Stbl:	Oil %:
Chlorides: 86000	HTP 500:		HTP 100:	Oil/Wtr:

Daily Mud Cost: \$394

CUM Mud Cost: \$4617

Pump Data

Pump Press: 1300	SPR Depth:	Mud Wt:	Av DP:	Av DC:
#1 Line Sz: 5.5	Stroke Len: 16	Max SPM: 60	Vol: 320	
#2 Line Sz: 5.5	Stroke Len: 16	Max SPM:	Vol:	
Kill Spd #1: 520@37				

Casing String Data

Last Casing Sz: 9.625	Depth: 2807	Liner Size:	Top@:	Btm@:
Shoe Test:	MACP:	String Wt: 145	Torque:	Mud Wt:
BHA Wt in Mud:	Rot Hrs: 123.75	Wt BLW Jars:	BHA LG: 902.32	
Drill Collar #: 6		P.U. Wt: 148	SO Wt: 142	
Drill Collar OD: 29		Tool Joints: 4.5 KH		
Drill Pipe O.D.: 4.5		Tool Joints: XO		

Bit Data

Bit: 3	Size: 8.75	Type: HRS38C	Make: HTC	Serial #: G53JR	IADC:
Surf MHP:	HHP:	In/Out: 2807	HP/I2:	HP:	
Amt Drld: 1623	Rot Hr: 51.25	WOB Hi/Lo: 60	RPM Hi/Lo: 60	ROP: 59.02	
Jets #1: 13	#2: 13	#3: 13	#4:	Bit Torque:	
Jets #1: 13	#2: 13	#3: 13	#4:	Bit Torque:	

Survey Data

MD	TVD	Angle	Direction	N or S	E or W	Section	Dog Leg	WOB	Bit RPM
4280		1							

Mud Log Data

ROP Ft/Hr Avg: 24.94	Max:	BGG Avg: 15	Max: 30	CG: 100
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Rig Time Data

Stimulating:	Surveying: 0.25	Drilling: 23.75	Logging:	Fishing:
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Misc Data

Personnel	Contract: 15	OXY: 1	Service: 4	Other:
Rig Fuel: 3111	Used: 679	Recv'd:	Bar on Loc:	

Detail Remarks:

DRILLING AHEAD AT REPORT TIME WITH NO PROBLEMS.

OXY HONEST JOHN STATE NO. 1
API#: 30-015-31466-00
03/25/2001

Job: DRILL AND EQUIP
Rig#: 207
Contractor: UTI
Flag: GREEN
Days Since Spud: 87 Days on Location: 87
Total Depth (Md): 5030 Total Depth (Tvd):
Amt Drilled (Md): 600 Amt Drilled (Tvd): 0
P.B.T.D. (Mtd): P.B.T.D. (Tvd):
Perforations:
Formations: DELAWARE
Pres Oprs: DRILLING

Daily Cost: \$10788 CUM Cost: \$367014 AFE Cost: \$0
CMIC: MIKE LOVE

Mud Data

Mud Wt: 8.6	Mud MB:	Mud MP:	Funnel Visc: 28	Solids %:
Calcium: 400	LCM:	Ex Lime:	Elec Stbl:	Oil %:
Chlorides: 90000	HTP 500:		HTP 100:	Oil/Wtr:

Daily Mud Cost: \$78 CUM Mud Cost: \$4695

Pump Data

Pump Press: 1250	SPR Depth:	Mud Wt:	Av DP:	Av DC:
#1 Line Sz: 5.5	Stroke Len: 16	Max SPM: 60	Vol: 320	
#2 Line Sz: 5.5	Stroke Len: 16	Max SPM:	Vol:	

Kill Spd #1: 540@37

Casing String Data

Last Casing Sz: 9.625	Depth: 2807	Liner Size:	Top@:	Btm@:
Shoe Test:	MACP:	String Wt: 148	Torque:	Mud Wt:
BHA Wt in Mud:	Rot Hrs: 147.25	Wt BLW Jars:	BHA LG: 902.32	
Drill Collar #: 6		P.U. Wt: 153	SO Wt: 142	
Drill Collar OD: 29		Tool Joints: 4.5 XH		
Drill Pipe O.D.: 4.5		Tool Joints: X0		

Bit Data

Bit: 3	Size: 8.75	Type: HRS38C	Make: HTC	Serial #: G53JR	IADC:
Surf HHP:	HHP:	In/Out: 2807	HP/I2:	HHP:	
Amt Drld: 2223	Rot Hr: 74.75	WOB Hi/Lo: 60	RPM Hi/Lo: 60	ROP: 43.38	
Jets #1: 13	#2: 13	#3: 13	#4:	Bit Torque:	
Jets #1: 13	#2: 13	#3: 13	#4:	Bit Torque:	

Survey Data

MD	TVD	Angle	Direction	N or S	E or W	Section	Dog Leg	WOB	Bit RPM
4774		0.75							

Mud Log Data

ROP Ft/Hr Avg: 23.53	Max:	BGG Avg: 200	Max:	400	CG: 400
Lithology: 100% SAND					

Rig Time Data

Stimulating:	Surveying: 0.5	Drilling: 23.5	Logging:	Fishing:
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Misc Data

Personnel	Contract: 15	OXY: 1	Service: 3	Other:
Rig Fuel: 2269	Used: 842	Recv'd:	Bar on Loc:	

Detail Remarks:

DRILLING AHEAD AT REPORT TIME WITH NO PROBLEMS.

OXY HONEST JOHN STATE NO. 1

API#: 30-015-31466-00

03/26/2001

Job: DRILL AND EQUIP

Rig#: 207

Contractor: UTI

Flag: GREEN

Days Since Spud: 88

Days on Location: 88

Total Depth (MD): 5640

Total Depth (Tvd):

Amt Drilled (MD): 610

Amt Drilled (Tvd): 0

P.B.T.D. (Mcd):

P.B.T.D. (Tvd):

Perforations:

Formations: BONE SPRINGS

Free Opra: DRILLING

Daily Cost: \$10961

CUM Cost: \$377975

AFE Cost: \$0

CMIC: MIKE LOVE

Mud Data

Mud Wt: 8.4	Mud MB:	Mud MP:	Funnel Visc: 28	Solids %:
PH Factor: 10	Mud PM:	Mud PF:	Mud PV:	Sand %:
Calcium: 320	LCM:	Ex Lime:	Elec Stbl:	Oil %:
Chlorides: 8500	HTP 500:		HTP 100:	Oil/Wtr:

Daily Mud Cost: \$309

CUM Mud Cost: \$5004

Pump Data

Pump Press: 1200	SPR Depth:	Mud Wt:	Av DP:	Av DC:
#1 Line Sz: 5.5	Stroke Len: 16	Max SPM: 60	Vol: 320	
#2 Line Sz: 5.5	Stroke Len: 16	Max SPM:	Vol:	

Kill Spd #1:510@37

Casing String Data

Last Casing Sz: 9.625	Depth: 2807	Liner Size:	Top@:	Btm@:
Shoe Test:	MACP:	String Wt: 165	Torque:	Mud Wt:
BHA Wt in Mud:	Rot Hrs: 170.25	Wt BLW Jars:	BHA LG:902.32	
Drill Collar #: 6		P.U. Wt: 168	80 Wt:162	
Drill Collar OD:29		Tool Joints:4.5 XH		
Drill Pipe O.D.:4.5		Tool Joints:X0		

Bit Data

Bit:3	Size: 8.75	Type: HRS38C	Make: HTC	Serial #: G53JR	IADC:
Surf HHP:	HHP:	In/Out:2807	HP/I2:	HHP:	
Amt Drld:2833	Rot Hr:97.25	WOB Hi/Lo:60	RPM Hi/Lo: 60	ROP: 29.13	
Jets #1:13	#2:13	#3:13	#4:	Bit Torque:	
Jets #1:13	#2:13	#3:13	#4:	Bit Torque:	

Survey Data

MD	TVD	Angle	Direction	N or S	E or W	Section	Dog	Leg	WOB	Bit
5251		0.75								RPM

Mud Log Data

ROP Ft/Hr Avg:26.52	Max:	BGG Avg: 350	Max: 400	CG: 756
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Lithology: 100% LIME

Rig Time Data

Rig Service: 0.5	Rig Repair:	Observe:	Rig Down:	Rig Up:
Stimulating:	Surveying: 0.5	Drilling: 23	Logging:	Fishing:

Misc Data

Personnel	Contract: 15	OXY: 1	Service: 3	Other:
Rig Fuel: 1494	Used: 7751	Recv'd:	Bar on Loc:	

Detail Remarks:

DRILLING AHEAD AT REPORT TIME WITH NO PROBLEMS.

OXY HONEST JOHN STATE NO. 1

API#: 30-015-31466-00

03/27/2001

Job: DRILL AND EQUIP

Rig#: 207

Contractor: UTI

Flag: GREEN

Days Since Spud: 89

Days on Location: 89

Total Depth (Md): 6150

Total Depth (Tvd):

Amt Drilled (Md): 510

Amt Drilled (Tvd): 0

P.B.T.D. (Md):

P.B.T.D. (Tvd):

Perforations:

Formations: BONE SPRINGS

Pres Oprs: DRILLING

Daily Cost: \$10816

CUM Cost: \$388791

APB Cost: \$0

CMIC: MIKE LOVE

Mud Data

Mud Wt: 8.4	Mud MB:	Mud MP:	Punnel Visc: 28	Solids %:
PH Factor: 10	Mud PM:	Mud PF:	Mud PV:	Sand %:
Calcium: 400	LCM:	Ex Lime:	Elec Stbl:	Oil %:
Chlorides: 10000	HTP 500:		HTP 100:	Oil/Wtr:

Daily Mud Cost: \$193

CUM Mud Cost: \$5197

Pump Data

Pump Press: 1200	SPR Depth:	Mud Wt:	Av DP:	Av DC:
#1 Line Sz: 5.5	Stroke Len: 16	Max SPM: 60	Vol: 320	
#2 Line Sz: 5.5	Stroke Len: 16	Max SPM:	Vol:	

Kill Spd #1: 520 @ 27

Casing String Data

Last Casing Sz: 9.625	Depth: 2807	Liner Size:	Top@:	Btm@:
Shoe Test:	MACP:	String Wt: 174	Torque:	Mud Wt:
BHA Wt in Mud:	Rot Hrs: 193.75	Wt BLW Jars:	BHA LG: 902.32	
Drill Collar #: 6		P.U. Wt: 177	SO Wt: 171	
Drill Collar OD: 29		Tool Joints: 4.5 XH		
Drill Pipe O.D.: 4.5		Tool Joints: X0		

Bit Data

Bit: 3	Size: 8.75	Type: HRS38C	Make: HTC	Serial #: G53JR	IADC:
Surf HHP:	MHP:	In/Out: 2807	HP/I2:	%HP:	
Amt Drld: 3343	Rot Hr: 121.25	WOB H1/Lo: 60	RPM H1/Lo: 60	ROP: 34.38	
Jets #1: 13	#2: 13	#3: 13	#4:	Bit Torque:	
Jets #1: 13	#2: 13	#3: 13	#4:	Bit Torque:	

Survey Data

MD	TVD	Angle	Direction	N or S	E or W	Section	Dog	Leg	WOB	Bit
5722		0.75								RPM

Mud Log Data

ROP Ft/Hr Avg: 21.7	Max:	BGG Avg: 400	Max:	800	CG: 1100
Lithology: 10% SHALE, 90% LIME					

Rig Time Data

Stimulating:	Surveying: 0.5	Drilling: 23.5	Logging:	Fishing:
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Misc Data

Personnel	Contract: 15	OXY: 1	Service: 5	Other:
Rig Fuel: 8098	Used: 743	Recv'd: 7200	Bar on Loc:	

Detail Remarks:

DRILLING AHEAD AT REPORT TIME WITH NO PROBLEMS.

OXY HONEST JOHN STATE NO. 1
API#: 30-015-31466-00
03/28/2001

Job: DRILL AND EQUIP

Rig#: 207

Contractor: UTI

Flag: GREEN

Days Since Spud: 90

Days on Location: 90

Total Depth (Md): 6655

Total Depth (Tvd):

Amt Drilled (Md): 505

Amt Drilled (Tvd): 0

P.B.T.D. (Mtd):

P.B.T.D. (Tvd):

Perforations:

Formations: BONE SPRINGS

Pres Oprs: DRILLING

Daily Cost: \$10708

CUM Cost: \$399499

APE Cost: \$0

CMIC: MIKE LOVE

Mud Data

Mud Wt: 8.4	Mud MB:	Mud MP:	Punnel Visc: 28	Solids %:
PH Factor: 10	Mud PM:	Mud PF:	Mud PV:	Sand %:
Calcium: 400	LCM:	Bx Lime:	Elec Stbl:	Oil %:
Chlorides: 11000	HTP 500:	HTP 100:		Oil/Wtr:

Daily Mud Cost: \$124

CUM Mud Cost: \$5321

Pump Data

Pump Press: 1250	SPR Depth:	Mud Wt:	AV DP:	AV DC:
#1 Line Sz: 5.5	Stroke Len: 16	Max SPM: 60	Vol: 320	
#2 Line Sz: 5.5	Stroke Len: 16	Max SPM:	Vol:	

Kill Spd #1:530#37

Casing String Data

Last Casing Sz: 9.625	Depth: 2807	Liner Size:	Top@:	Btm@:
Shoe Test:	MACP:	String Wt: 180	Torque:	Mud Wt:
BHA Wt in Mud:	Rot Mtrs: 217.25	Wt BLW Jars:	BHA LG:902.32	
Drill Collar #: 6		P.U. Wt: 184	SO Wt:176	
Drill Collar OD:29		Tool Joints:4.5 XM		
Drill Pipe O.D.:4.5		Tool Joints:X0		

Bit Data

Bit:3	Size: 8.75	Type: HRS38C	Make: HTC	Serial #: G53JR	IADC:
Surf HHP:	HHP:	In/Out:2807	HP/I2:	HP:	
Amt Drld:3848	Rot Hr:144.75	WOB Hi/Lo:60	RPM Hi/Lo: 60	ROP: 31.74	
Jets #1:13	#2:13	#3:13	#4:	Bit Torque:	
Jets #1:13	#2:13	#3:13	#4:	Bit Torque:	

Survey Data

MD	TVD	Angle	Direction	N or S	E or W	Section	Dog	Leg	WOB	Bit
6220		0.75								RPM

Mud Log Data

ROP Ft/Hr Avg:21.48	Max:	BGG Avg: 500	Max:	700	CG: 900
Lithology: 10% SHALE, 60% SAND, 30% LIME					

Rig Time Data

Stimulating:	Surveying: 0.5	Drilling: 23.5	Logging:	Fishing:
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Misc Data

Personnel	Contract: 15	OXY: 1	Service: 4	Other:
Rig Fuel: 7400	Used: 614	Recv'd:	Bar on Loc:	

Detail Remarks:

DRILLING AHEAD AT REPORT TIME WITH NO PROBLEMS.

OXY HONEST JOHN STATE NO. 1
API#: 30-015-31466-00
03/29/2001

Job: DRILL AND EQUIP

Rig#: 207

Contractor: UTI

Flag: GREEN

Days Since Spud: 91

Days on Location: 91

Total Depth (Md): 7161

Total Depth (Tvd):

Amt Drilled (Md): 506

Amt Drilled (Tvd): 0

P.B.T.D. (Md):

P.B.T.D. (Tvd):

Perforations:

Formations: BONE SPRINGS

Pres Opns: DRILLING

Daily Cost: \$10808

CUM Cost: \$410307

AFE Cost: \$0

CMIC: MIKE LOVE

Mud Data

Mud Wt: 8.4	Mud MB:	Mud MP:	Punnel Visc: 28	Solids %:
Calcium: 400	LCM:	Ex Lime:	Elec Stbl:	Oil %:
Chlorides: 6000	HTP 500:		HTP 100:	Oil/Wtr:

Daily Mud Cost: \$141

CUM Mud Cost: \$5462

Pump Data

Pump Press: 1250	SPR Depth:	Mud Wt:	Av DP:	Av DC:
#1 Line Sz: 5.5	Stroke Len: 16	Max SPM: 60	Vol: 320	
#2 Line Sz: 5.5	Stroke Len: 16	Max SPM:	Vol:	

Kill Spd #1: 540@37

Casing String Data

Last Casing Sz: 9.625	Depth: 2807	Liner Size:	Type:	Btm#:
Shoe Test:	MACP:	String Wt: 192	Torque:	Mud Wt:
BHA Wt in Mud:	Rot Hrs: 240.75	Wt BLW Jars:	BHA LG: 902.32	
Drill Collar #: 6		P.U. Wt: 196	SO Wt: 188	
Drill Collar OD: 29		Tool Joints: 4.5 XH		
Drill Pipe O.D.: 4.5		Tool Joints: XO		

Bit Data

Bit: 3	Size: 8.75	Type: HRS38C	Make: HTC	Serial #: G53JR	IADC:
Surf HHP:	HHP:	In/Out: 2807	HP/IZ:	HHP:	
Amt Drld: 4354	Rot Hr: 168.25	WOB Hi/Lo: 60	RPM Hi/Lo: 60	ROP: 30.08	
Jets #1: 13	#2: 13	#3: 13	#4:	Bit Torque:	
Jets #1: 13	#2: 13	#3: 13	#4:	Bit Torque:	

Survey Data

MD	TVD	Angle	Direction	N or S	E or W	Section	Dog Leg	WOB	Bit RPM
6704		1							

Mud Log Data

ROP Ft/Hr Avg: 21.53	Max:	BGG Avg: 500	Max: 700	CG: 1151
Lithology: 30% SHALE, 70% LIME				

Rig Time Data

Stimulating:	Surveying: 0.5	Drilling: 23.5	Logging:	Fishing:
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Misc Data

Personnel	Contract: 15	OXY: 1	Service: 4	Other:
Rig Fuel: 6607	Used: 793	Recv'd:	Bar on Loc:	

Detail Remarks:

DRILLING AHEAD AT REPORT TIME WITH NO PROBLEMS.

OXY HONEST JOHN STATE NO. 1
API#: 30-015-31466-00
03/30/2001

Job: DRILL AND EQUIP

Rig#: 207

Contractor: UTI

Flag: GREEN

Days Since Spud: 92

Days on Location: 92

Total Depth (Md): 7660

Total Depth (Tvd):

Amt Drilled (Md): 499

Amt Drilled (Tvd): 0

P.B.T.D. (Mtd):

P.B.T.D. (Tvd):

Perforations:

Formations: BONE SPRINGS

Pres Oprs: DRILLING

Daily Cost: \$22644

CUM Cost: \$432951

AFB Cost: \$0

CMIC: MIKE LOVE

Mud Data

Mud Wt: 8.4	Mud MB:	Mud MP:	Funnel Visc: 28	Solids %:
PH Factor: 10	Mud PM:	Mud PF:	Mud PV:	Sand %:
Calcium: 480	LCM:	Ex Lime:	Slec Stbl:	Oil %:
Chlorides: 10000	HTP 500:		HTP 100:	Oil/Wtr:

Daily Mud Cost: \$56

CUM Mud Cost: \$5518

Pump Data

Pump Press: 1300	SPR Depth:	Mud Wt:	Av DP:	Av DC:
#1 Line Sz: 5.5	Stroke Len: 16	Max SPM: 60	Vol: 320	
#2 Line Sz: 5.5	Stroke Len: 16	MAX SPM:	Vol:	

Kill Spd #1: 550@37

Casing String Data

Last Casing Sz: 9.625	Depth: 2807	Liner Size:	Top@:	Btm@:
Shoe Test:	MACP:	String Wt: 200	Torque:	Mud Wt:
BHA Wt in Mud:	Rot Hrs: 263.5	Wt BLM Jars:	BHA LG: 902.32	
Drill Collar #: 6		P.U. Wt: 204	SO Wt: 196	
Drill Collar OD: 29		Tool Joints: 4.5 XH		
Drill Pipe O.D.: 4.5		Tool Joints: X0		

Bit Data

Bit: 3	Size: 8.75	Type: HRS38C	Make: HTC	Serial #: G53JR	IADC:
Surf HHP:	HHP:	In/Out: 2807	HP/I2:	WHP:	
Amt Drld: 4853	Rot Hr: 191	WOB Hi/Lo: 60	RPM Hi/Lo: 60	ROP: 25.41	
Jets #1: 13	#2: 13	#3: 13	#4:	Bit Torque:	
Jets #1: 13	#2: 13	#3: 13	#4:	Bit Torque:	

Survey Data

MD	TVD	Angle	Direction	--Coordinates--	Vertical	Dog	Bit
7246		1.5		N or S	E or W	Section	RPM

Mud Log Data

ROP Ft/Hr Avg: 21.93	Max:	HGG Avg: 500	Max:	700	CG: 989
Lithology: 30% SHALE, 70% LIME					

Rig Time Data

Stimulating:	Surveying: 1.25	Drilling: 22.75	Logging:	Fishing:
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Misc Data

Personnel	Contract: 15	OXY: 1	Service: 4	Other:
Rig Fuel: 5903	Used: 704	Recv'd:	Bar on Loc:	

Detail Remarks:

DRILLING AHEAD AT REPORT TIME WITH NO PROBLEMS.

OXY HONEST JOHN STATE NO. 1
API#: 30-015-31466-00
03/31/2001

Job: DRILL AND EQUIP

Rig#: 207

Contractor: UTI

Flag: GREEN

Days Since Spud: 93

Days on Location: 93

Total Depth (Md): 8193

Total Depth (Tvd):

Amt Drilled (Md): 533

Amt Drilled (Tvd): 0

P.B.T.D. (Md):

P.B.T.D. (Tvd):

Perforations:

Formations: BONE SPRINGS

Pres Opre: DRILLING

Daily Cost: \$10586

CUM Cost: \$443537

AFE Cost: \$0

CMIC: MIKE LOVE

Mud Data

Mud Wt: 8.8	Mud MB:	Mud MP:	Funnel Visc: 28	Solids %:
PM Factor: 10	Mud PM:	Mud PF:	Mud PV:	Sand %:
Calcium: 320	LCM:	Ex Lime:	Elec Stbl:	Oil %:
Chlorides: 10000	HTP 500:		HTP 100:	Oil/Wtr:

Daily Mud Cost: \$0

CUM Mud Cost: \$5518

Pump Data

Pump Press: 1350	SPR Depth:	Mud Wt:	Av DP:	Av DC:
#1 Line Sz: 5.5	Stroke Len: 16	Max SPM: 60	Vol: 320	
#2 Line Sz: 5.5	Stroke Len: 16	Max SPM:	Vol:	
Kill Spd #1: 570@37				

Casing String Data

Last Casing Sz: 9.625	Depth: 2807	Liner Size:	Topo:	Btm@:
Shoe Test:	MACP:	String Wt: 206	Torque:	Mud Wt:
BHA Wt in Mud:	Rot Hrs: 286	Wt BLW Jars:	BHA LG: 902.32	
Drill Collar #: 6		P.O. Wt: 213	SO Wt: 199	
Drill Collar OD: 29		Tool Joints: 4.5 XH		
Drill Pipe O.D.: 4.5		Tool Joints: XO		

Bit Data

Bit: 3	Size: 8.75	Type: HRS38C	Make: HTC	Serial #: G53JR	IADC:
Surf HHP:	HHP:	In/Out: 2807	HP/I2:	HHP:	
Amt Drld: 5386	Rot Hr: 213.5	WOB Hi/Lc: 60	RPM Hi/Lc: 60	ROP: 25.23	
Jets #1: 13	#2: 13	#3: 13	#4:	Bit Torque:	
Jets #1: 13	#2: 13	#3: 13	#4:	Bit Torque:	

Survey Data

MD	TVD	Angle	Direction	--Coordinates--	Vertical	Dog	Bit
7727		1.75		N or S	E or W	Section	RPM

Mud Log Data

ROP Ft/Hr Avg: 23.69	Max:	BGG Avg: 50	Max: 75	CG: 75
Lithology: 10% SHALE, 90% LIME				

Rig Time Data

Rig Service: 0.75	Rig Repair:	Observe:	Rig Down:	Rig Up:
Stimulating:	Surveying: 0.75	Drilling: 22.5	Logging:	Fishing:

Misc Data

Personnel	Contract: 15	OXY: 1	Service: 5	Other:
Rig Fuel: 5265	Used: 700	Recv'd:	Bar on Loc:	

Detail Remarks:

DRILLING AHEAD AT REPORT TIME WITH NO PROBLEMS.

OXY HONEST JOHN STATE NO. 1
API#: 30-015-31466-00
04/01/2001

Job: DRILL AND EQUIP
Rig#: 207
Contractor: UTI
Flag: GREEN
Days Since Spud: 94 Days on Location: 94
Total Depth (Md): 8529 Total Depth (Tvd):
Amt Drilled (Md): 336 Amt Drilled (Tvd): 0
P.B.T.D. (Mtd): P.B.T.D. (Tvd):
Perforations:
Formations: BONE SPRINGS
Pres Oprs: TRIPPING FOR BIT
Daily Cost: \$10744 CUM Cost: \$454281 AFE Cost: \$0
CMIC: MIKE LOVE

Mud Data

Mud Wt: 9.1 Mud MB: Mud MP: Funnel Visc: 28 Solids %:
Calcium: 800 LCM: Ex Lime: Elec Stbl: Oil %:
Chlorides: 82000 HTP 500: HTP 100: Oil/Wtr:
Daily Mud Cost: \$158 CUM Mud Cost: \$5676

Pump Data

Pump Press: 1350 SPR Depth: Mud Wt: Av DP: Av DC:
#1 Line Sz: 5.5 Stroke Len: 16 Max SPM: 60 Vol: 320
#2 Line Sz: 5.5 Stroke Len: 16 Max SPM: Vol:

Casing String Data

Last Casing Sz: 9.625 Depth: 2807 Liner Size: TopØ: BtmØ:
Shoe Test: MACP: String Wt: 220 Torque: Mud Wt:
BHA Wt in Mud: Rot Hrs: 306.25 Wt BLM Jars: BHA LG: 902.32
Drill Collar #: 6 P.U. Wt: 230 SO Wt: 210
Drill Collar OD: 29 Tool Joints: 4.5 XH
Drill Pipe O.D.: 4.5 Tool Joints: X0

Bit Data

Bit: 3 Size: 8.75 Type: MRS38C Make: HTC Serial #: G53JR IADC:
Surf HHP: HHP: In/Out: 2807 HP/12: HHP:
Amt Drld: 5722 Rot Hr: 233.75 WOB Hi/Lo: 60 RPM Hi/Lo: 60 ROP: 24.48
Jets #1: 13 #2: 13 #3: 13 #4: Bit Torque:
Jets #1: 13 #2: 13 #3: 13 #4: Bit Torque:

Survey Data

MD	TVD	Angle	Direction	N or S	E or W	Section	Dog Leg	WOB	Bit RPM
8204		2.25							
8299		1.5							
8395		1.25							

Mud Log Data

ROP Ft/Hr Avg: 16.59 Max: BCG Avg: 20 Max: 30 CG: 60
Lithology: 90% SAND, 10% LIME

Rig Time Data

Stimulating: Surveying: 2 Drilling: 20.25 Logging: Fishing:
Trip Tubing: Trip Rods: Tripping: 0.75 WOC: WOW:

Misc Data

Personnel Contract: 15 OXY: 1 Service: 4 Other:
Rig Fuel: 8227 Used: 700 Recv'd: 3600 Bar on Loc:

Detail Remarks:
DRILLING TO 8529. TOH FOR BIT AT REPORT TIME WITH NO PROBLEMS.

OXY HONEST JOHN STATE NO. 1
API#: 30-015-31466-00
04/02/2001

Job: DRILL AND EQUIP

Rig#: 207

Contractor: UTI

Flag: GREEN

Days Since Spud: 95

Days on Location: 95

Total Depth (Md): 8713

Total Depth (Tvd):

Amt Drilled (Md): 184

Amt Drilled (Tvd): 0

P.B.T.D. (Md):

P.B.T.D. (Tvd):

Perforations:

Formations: BONE SPRINGS

Pres Oprs: DRILLING

Daily Cost: \$18032

CUM Cost: \$472313

APE Cost: \$0

CMIC: MIKE LOVE

Mud Data

Mud Wt: 9.1	Mud MB:	Mud MP:	Funnel Visc: 28	Solids %:
PH Factor: 10	Mud PM:	Mud PF:	Mud PV:	Sand %:
Calcium: 800	LCM:	Ex Lime:	Elec Stbl:	Oil %:
Chlorides: 82000	HTP 500:		HTF 100:	Oil/Wtr:

Daily Mud Cost: \$158

CUM Mud Cost: \$5834

Pump Data

Pump Press: 1350	SPR Depth:	Mud Wt:	Av DP:	Av DC:
#1 Line Sz: 5.5	Stroke Len: 16	Max SPM: 60	Vol: 320	
#2 Line Sz: 5.5	Stroke Len: 16	Max SPM:	Vol:	

Casing String Data

Last Casing Sz: 9.625	Depth: 2807	Liner Size:	Top@:	Btm@:
Shoe Test:	MACP:	String Wt: 220	Torque:	Mud Wt:
BHA Wt in Mud:	Rot Hrs: 9	Wt BLM Jars:	BHA LG: 887.2	
Drill Collar #: 6		P.V. Wt: 230	SO Wt: 210	
Drill Collar OD: 29		Tool Joints: 4.5 XH		
Drill Pipe O.D.: 4.5		Tool Joints: XO		

Bit Data

Bit: 3	Size: 8.75	Type: HRS38C	Make: HTC	Serial #: G53JR	IADC:
	Surf HHP:	HMP:	In/Out: 2807/8529	HP/I2:	%HP:
	Amt Drld: 5722	Rot Hr: 233.75	WOB Hi/Lo: 60	RPM Hi/Lo: 60	ROP: 24.48
	Jets #1: 13	#2: 13 #3: 13 #4:		Bit Torque:	
	Jets #1: 13	#2: 13 #3: 13 #4:		Bit Torque:	
Bit: 4	Size: 8.75	Type: HR44C	Make: HTC	Serial #: M78DW	IADC:
	Surf HHP:	HHP:	In/Out: 8529	HP/I2:	%HP:
	Amt Drld: 184	Rot Hr: 9	WOB Hi/Lo: 60	RPM Hi/Lo: 60	ROP: 20.44
	Jets #1: 13	#2: 13 #3: 13 #4:		Bit Torque:	
	Jets #1: 13	#2: 13 #3: 13 #4:		Bit Torque:	

Survey Data

MD	TVD	Angle	Direction N or S	E or W	Section	Dog Leg	WOB	Bit RPM
8529		1.5						

Mud Log Data

ROP Ft/Hr Avg: 20.44	Max:	BGG Avg: 150	Max: 200	CG: 540
Shale Density:	TG: 144	M2S:	FL Temp:	PP:
Lithology: 100% SAND				

Rig Time Data

Inspect DP:	Wash Ream: 2.5	Swabbing:	Abandon:	C & CM:
Stimulating:	Surveying:	Drilling: 9	Logging:	Fishing:
Trip Tubing:	Trip Rods:	Tripping: 12.5	WOC:	WOW:

Misc Data

Personnel	Contract: 15	OXY: 1	Service: 4	Other:
Rig Fuel: 7835	Used: 392	Recv'd:	Bar on Loc:	

Detail Remarks:

COMPLETED TOH, TRIP CHECK ALL DCS AND TOOLS, NO BAD CONNECTION. WASH AND REAM 90 FT TO BOTTOM. DRILLING AHEAD AT REPORT TIME WITH NO PROBLEMS.

RBD thurs.

30 in

WELLS IN CITY OF CARLSBAD WELLHEAD

✓ 30-015-25379 K-1-23s-25e LOUIS DREYFU
ACTIVE

30-015-23106 ✓ A-10-23s-25e ENRON OIL & G
P&A 858 N 1038E

✓ 30-015-20785 H-11-23s-25e MINERAL TECH. INC. MARY FED. #1
ACTIVE

30-015-24942 ✓ H-11-23s-25e EXXON CORP. MARY FED. #3
P&A

✓ 30-015-25378 N-11-23s-25e PINON PETRO. INC. MARY FED. #5
SHUT-IN

30-015-25046 ✓ H-11-23s-25e EXXON CORP. MARY FED. #3y
P&A

✓ 30-015-20999 F-12-23s-25e LOUIS DREYFUS NAT. GAS CORP. SQUAW FED. #1
P&A

30-015-00136 ✓ O-12-23s-25e TURNER DEVITO DEVITO #1
P&A

30-015-24701 ✓ G-13-23s-25e EXXON CORP. SQUAW FED. #2
P&A

~~30-015-24595 P-13-23s-25e EXXON CORP. NEW MEXICO DS ST. #1~~
~~EXP. DRLG INT~~

30-015-22430 ✓ J-15-23s-25e GULF OIL CORP. SHEARN D FED. COM. #1
P&A

~~30-015-24698 A-24-23s-25e EXXON CORP. MARY FED. #2~~
~~EXP. DRLG INT.~~

30-015-25135 ✓ H-24-23s-25e EXXON CORP. MARY FED. #4
P&A

✓ 30-015-30524 O-25-23s-25e DEVON ENERGY PROD. CO. RUGER 25 FED. #1
EXP. DRLG INT.

Cancelled
APDs

Not on FLCDATA

"

WELLS LOCATED WITH-IN 1 MILE CITY OF CARLSBAD
WELLHEAD PROTECTION AREA.

- ✓ 30-015-29800 B-25-22s-25e PENWELL ENERGY INC. FILAREE 25 FED. COM. #1
- ✓ 30-015-30833 B-25-22s-25e DEVON ENERGY CORP. FILAREE 25 FED. COM. #1
- 30-015-00135 ✓ G-25-22s-25e ✓ WESTERN OIL PROD. ✓ MCKITTRICK FED. #1 ✓
- 30-015-23269 H-27-22s-25e POLLUX LTD NE ROCK TANK FED C #1 *not on Time*
- 30-015-10560 ✓ N-28-22s-25e ✓ MONSANTO CO. ✓ CUEVA #1 ✓
- ✓ 30-015-24404 C-30-22s-26e SABA ENERGY OF TEXAS INC. MCKITTRICK 30 FED. #1
- 30-015-25650 ✓ K-30-22s-26e ✓ ENRON OIL & GAS ✓ GOBBLERS KNOB 30 FED. #1 ✓
- 30-015-22177 ✓ L-30-22s-26e ✓ HANAGAN PETRO. CORP. ✓ MCKITTRICK #1 ✓
- ✓ 30-015-29522 H-31-22s-26e DEVON ENERGY PROD. CO. HACKBERRY 31 ST. #1
- ✓ 30-015-27751 A-32-22s-26e LOUIS DREYFUS NAT. GAS CO. EV ST. #3
- ✓ 30-015-28849 B-32-22s-26e LOUIS DREYFUS NAT. GAS CO. EV ST. #4
- ✓ 30-015-29185 G-32-22s-26e LOUIS DREYFUS NAT. GAS CO. EV ST. #6
- ✓ 30-015-27559 H-32-22s-26e LOUIS DREYFUS NAT. GAS CO. EV ST. COM. #2
- 30-015-25387 H-32-22s-26e EXXON CORP. NEW MEXICO FA ST. COM. #1 *not on Time*
- ✓ 30-015-27558 I-32-22s-26e LOUIS DREYFUS NAT. GAS CO. BARBADOS ST. #1
- ✓ 30-015-25352 K-32-22s-26e LOUIS DREYFUS NAT. GAS CO. NEW MEX. EV ST. #1
- ✓ 30-015-28507 P-32-22s-26e LOUIS DREYFUS NAT. GAS CO. EV ST. #5
- 30-015-26131 ✓ L-16-23s-25e ✓ SIETE OIL & GAS CORP. ✓ WITCHITA ST. #1
- 30-015-22230 ✓ B-22-23s-25e ✓ EXXON CORP. ✓ N. HORSE SHOE BEND #1
- 30-015-21656 ✓ K-34-23s-25e ✓ HANAGAN PETRO. CORP. ✓ HORSESHOE BEND #1
- 30-015-00137 ✓ D-35-23s-25e ✓ MCINTYRE ✓ SPEAROW R ETAL #1
- 30-015-25227 I-36-23s-25e ✓ EXXON CORP. ✓ NEW MEXICO ER ST. #1
- 30-015-25309 G-36-23s-25e EXXON CORP. NEW MEXICO ET LEASE #1 *not on Time*
- ✓ 30-015-24572 P-5-23s-26e HILLIN PROD. CO. CITIES 5 FED. #1

- ✓ 30-015-23538 I-5-23s-26e ✓ CITIES SERVICE OIL CO. FED. N COM. #1
- ✓ 30-015-00374 N-8-23s-26e ✓ ROUNDEY GEORGE ROUNDY FED. #1
- ✓ 30-015-31529 D-17-23s-26e SARAGOSSA 17 FED. COM. #1
- ✓ 30-015-26146 I-17-23s-26e BETTTIS BOYLE AND STOVAL EXXON 17 FED. COM. #1
- ✓ 30-015-31935 L-17-23s-26e LOUIS DREYFUS NAT. GAS CO. SARAGOSSA 17 ST. COM. #3
- ✓ 30-015-31522 L-17-22s-26e OXY USA INC. OXY PEA SHOOTER STATE #1
- 30-015-21161 P-17-23s-26e ✓ COQUINA OIL CORP. ✓ EXXON A FED. #1 ✓
- ✓ 30-015-31466 G-18-23s-26e OXY USA WTP LIMITED PARTNERS OXY HONEST JOHN STATE #1
- 30-015-24641 ✓ N-18-23s-26e ✓ MAYNE & MERTZ ✓ BLUE WATER FED. #1
- 30-015-00375 ✓ C-18-23s-26e ✓ MORAN E PAUL ✓ RAMUZ #1
- ✓ 30-015-24592 1-19-23s-26e NADEL & GUSSMAN PERMIAN, L NEW MEXICO DI STATE #2
- ✓ 30-015-24425 2-19-23s-26e NADEL & GUSSMAN PERMIAN, L NEW MEXICO DI ST. #1
- ✓ 30-015-24591 3-19-23s-26e NADEL & GUSSMAN PERMIAN, L NEW MEXICO DI ST. #3
- ✓ 30-015-32144 C-19-23s-26e LOUIS DREYFUS NAT. GAS CO. SARAGOSSA 19 ST. COM. #1
- ✓ 30-015-24591 L-19-23s-26e EXXON CORP. NEW MEXICO DI ST. #3
- 30-015-24593 M-19-23s-26e EXXON CORP. NEW MEXICO DI ST. #4 *Not on Time*
- ✓ 30-015-31936 N-19-23s-26e DEVON ENERGY PROD. CO. FH 19 STATE COM. #1
- ✓ 30-015-24425 E-19-23s-26e EXXON DORP. NEW MEXICO DI ST. #1
- ✓ 30-015-24592 D-19-23s-26e EXXON CORP. NEW MEXICO DI ST. #2
- 30-015-20311 ✓ J-19-23s-26e ✓ SAMEDAN OIL CORP. ✓ UNION ST. #1 ✓
- 30-015-00376 ✓ A-19-23-26 ✓ DEVITO DC STATE #1
- ✓ 30-015-20144 C-31-23s-26e YATES PETRO. CORP. N. WHITE CITY ABP FED. #1
- ✓ 30-015-23462 F-31-23s-26e AMOCO PROD. CO. STATE IZ COM. #1

WELLS LOCATED WITH-IN 1 MILE CITY OF CARLSBAD
WELLHEAD PROTECTION AREA.

30-015-29800 B-25-22s-25e PENWELL ENERGY INC. FILAREE 25 FED. COM. #1
30-015-30833 B-25-22s-25e DEVON ENERGY CORP. FILAREE 25 FED. COM. #1
30-015-00135 G-25-22s-25e WESTERN OIL PROD. MCKITTRICK FED. #1
30-015-23269 H-27-22s-25e POLLUX LTD NE ROCK TANK FED C #1
30-015-10560 N-28-22s-25e MONSANTO CO. CUEVA #1
30-015-24404 C-30-22s-26e SABA ENERGY OF TEXAS INC. MCKITTRICK 30 FED. #1
30-015-25650 K-30-22s-26e ENRON OIL & GAS GOBBLERS KNOB 30 FED. #1
30-015-22177 L-30-22s-26e HANAGAN PETRO. CORP. MCKITTRICK #1
30-015-29522 H-31-22s-26e DEVON ENERGY PROD. CO. HACKBERRY 31 ST. #1
30-015-27751 A-32-22s-26e LOUIS DREYFUS NAT. GAS CO. EV ST. #3
30-015-28849 B-32-22s-26e LOUIS DREYFUS NAT. GAS CO. EV ST. #4
30-015-29185 G-32-22s-26e LOUIS DREYFUS NAT. GAS CO. EV ST. #6
30-015-27559 H-32-22s-26e LOUIS DREYFUS NAT. GAS CO. EV ST. COM. #2
30-015-25387 H-32-22s-26e EXXON CORP. NEW MEXICO FA ST. COM. #1
30-015-27558 I-32-22s-26e LOUIS DREYFUS NAT. GAS CO. BARBADOS ST. #1
30-015-25352 K-32-22s-26e LOUIS DREYFUS NAT. GAS CO. NEW MEX. EV ST. #1
30-015-28507 P-32-22s-26e LOUIS DREYFUS NAT. GAS CO. EV ST. #5
30-015-26131 L-16-23s-25e SIETE OIL & GAS CORP. WITCHITA ST. #1
30-015-22230 B-22-23s-25e EXXON CORP. N. HORSE SHOE BEND #1
30-015-21656 K-34-23s-25e HANAGAN PETRO. CORP. HORSESHOE BEND #1
30-015-00137 D-35-23s-25e MCINTYRE SPEAROW R ETAL #1
30-015-25227 I-36-23s-25e EXXON CORP. NEW MEXICO ER ST. #1
30-015-25309 G-36-23s-25e EXXON CORP. NEW MEXICO ET LEASE #1
30-015-24572 P-5-23s-26e HILLIN PROD. CO. CITIES 5 FED. #1

30-015-23538 I-5-23s-26e CITIES SERVICE OIL CO. FED. N COM. #1
30-015-00374 N-8-23s-26e ROUNDEY GEORGE ROUNDY FED. #1
30-015-31529 D-17-23s-26e SARAGOSSA 17 FED. COM. #1
30-015-26146 I-17-23s-26e BETTIS BOYLE AND STOVAL EXXON 17 FED. COM. #1
30-015-31935 L-17-23s-26e LOUIS DREYFUS NAT. GAS CO. SARAGOSSA 17 ST. COM. #3
30-015-31522 L-17-22s-26e OXY USA INC. OXY PEA SHOOTER STATE #1
30-015-21161 P-17-23s-26e COQUINA OIL CORP. EXXON A FED. #1
30-015-31466 G-18-23s-26e OXY USA WTP LIMITED PARTNERS OXY HONEST JOHN STATE #1
30-015-24641 N-18-23s-26e MAYNE & MERTZ BLUE WATER FED. #1
30-015-00375 C-18-23s-26e MORAN E PAUL RAMUZ #1
30-015-24592 1-19-23s-26e NADEL & GUSSMAN PERMIAN, L NEW MEXICO DI STATE #2
30-015-24425 2-19-23s-26e NADEL & GUSSMAN PERMIAN, L NEW MEXICO DI ST. #1
30-015-24591 3-19-23s-26e NADEL & GUSSMAN PERMIAN, L NEW MEXICO DI ST. #3
30-015-32144 C-19-23s-26e LOUIS DREYFUS NAT. GAS CO. SARAGOSSA 19 ST. COM. #1
30-015-24591 L-19-23s-26e EXXON CORP. NEW MEXICO DI ST. #3
30-015-24593 M-19-23s-26e EXXON CORP. NEW MEXICO DI ST. #4
30-015-31936 N-19-23s-26e DEVON ENERGY PROD. CO. FH 19 STATE COM. #1
30-015-24425 E-19-23s-26e EXXON DORP. NEW MEXICO DI ST. #1
30-015-24592 D-19-23s-26e EXXON CORP. NEW MEXICO DI ST. #2
30-015-20311 J-19-23s-26e SAMEDAN OIL CORP. UNION ST. #1
30-015-00376 A-19-23-26 DEVITO DC STATE #1
30-015-20144 C-31-23s-26e YATES PETRO. CORP. N. WHITE CITY ABP FED. #1
30-015-23462 F-31-23s-26e AMOCO PROD. CO. STATE IZ COM. #1

TABLE 4A. --WATER-QUALITY DATA FOR EDDY AND LEA COUNTIES, NEW MEXICO, ARRANGED BY BOTH FORMATION SOURCE AND GEOGRAPHIC LOCATION.

LEA COUNTY										LEA COUNTY											
LOC.	DATE OF COLLECTION	DEPTH FROM TO	SAMP. LING. METHOD	SILICA (SiO2) (MG/L)	IRON (FE) (MG/L)	CALCIUM (CA) (MG/L)	MAGNESIUM (MG)	POTASSIUM AS NA (MG/L)	SODIUM + AS NA (MG/L)	ALCARBONATE (MG/L)	SULFATE (SO4) (MG/L)	HYDROGEN SULFIDE (H2S) (MG/L)	CHLORIDE (CL) (MG/L)	FLUORIDE (F) (MG/L)	DENSITY OF WATER (G/ML)	DISSOLVED SOLIDS (SUM) (MG/L)	(CA+MG)/(MG/L)	SPECIFIC CONDUCTANCE (UMHOS AT 25C)	SPECIFIC CONDUCTANCE (UMHOS AT 18C)	RESISTIVITY MEAS. (OHM-CM AT 25C)	RESISTIVITY CALC. (OHM-CM AT 18C)
10	25	32	01-26-21	4,728	4,734	4530LWR	58	24,000	3,300	65,000	112	440	150,000	1.174	250,000	521	190,000	0.44	12.0	0.53	6.2
25	25	32	01-26-21	4,728	4,734	4530LWR	58	24,000	3,300	65,000	112	440	150,000	1.174	250,000	521	190,000	0.44	12.0	0.53	6.2
25	25	32	01-26-21	4,728	4,734	4530LWR	58	24,000	3,300	65,000	112	440	150,000	1.174	250,000	521	190,000	0.44	12.0	0.53	6.2
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25	25	32	01-26-21	4,728	4,734	4530LWR	58	24,000	3,300	65,000	112	440	150,000	1.174	250,000	521	190,000	0.44	12.0	0.53	6.2
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25	25	32	01-26-21	4,728	4,734	4530LWR	58	24,000	3,300	65,000	112	440	150,000	1.174	250,000	521	190,000	0.44	12.0	0.53	6.2
25	25	32	01-26-21	4,728	4,734	4530LWR	58	24,000	3,300	65,000	112	440	150,000	1.174	250,000	521	190,000	0.44	12.0	0.53	6.2
25	25	32	01-26-21	4,728	4,734	4530LWR	58	24,000	3,300	65,000	112	440	150,000	1.174	250,000	521	190,000	0.44	12.0	0.53	6.2
25	25	32	01-26-21	4,728	4,734	4530LWR	58	24,000	3,300	65,000	112	440	150,000	1.174	250,000	521	190,000	0.44	12.0	0.53	6.2
25	25	32	01-26-21	4,728	4,734	4530LWR	58	24,000	3,300	65,000	112	440	150,000	1.174	250,000	521	190,000	0.44	12.0	0.53	6.2
25	25	32	01-26-21	4,728	4,734	4530LWR	58	24,000	3,300	65,000	112	440	150,000	1.174	250,000	521	190,000	0.44	12.0	0.53	6.2
25	25	32	01-26-21	4,728	4,734	4530															

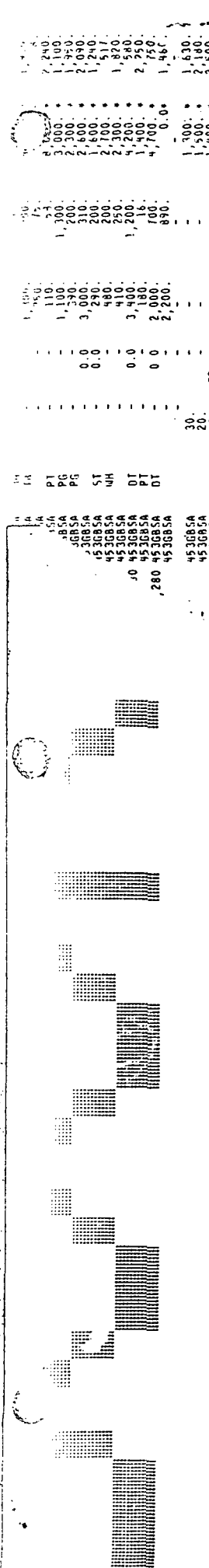


TABLE 4A. --WATER-QUALITY DATA FOR EDDY AND LEA COUNTIES, NEW MEXICO, ARRANGED BY BOTH FORMATION SOURCE AND GEOGRAPHIC LOCATION.

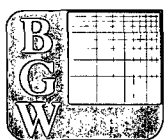
LEA COUNTY										LEA COUNTY											
DATE OF	DEPTH	FROM TO	SAMP. METHOD	SILICA (SiO ₂) (MG/L)	IRON (FE) (MG/L)	CALCIUM (CA) (MG/L)	MAGNESIUM (MG/L)	POTASSIUM AS NA (MG/L)	SODIUM + POTASSIUM (MG/L)	ALICAR- BONATE (MG/L)	SULFATE (SO ₄) (MG/L)	HYDROGEN SULFIDE (H ₂ S) (MG/L)	CHLORIDE (CL) (MG/L)	FLUORIDE (F) (MG/L)	NIT- RATE (NO ₃) (MG/L)	DENSITY OF WATER (GM/ML)	DISSOLVED SOLIDS (SUM) (MG/L)	(CA+MG) (MG/L) AT 25C)	SPECIFIC CONDUCT- ANCE (UMHOS) AT 25C)	SPECIFIC CONDUCT- ANCE (UMHOS) AT 18C)	RESIS- TIVITY (OHM- CM) AT 18C)
26-21	4,728-4,734	4530LR	58	-	50	24,000	3,300	65,000	112	112	140	-	150,000	1.174	250,000	1.174	250,000	521	190,000	0.64	0.53
03-60	4,694-4,620	4530LR	DT	-	50	3,600	720	120,000	-	-	1,800	-	190,000	1.195	-	1.195	-	-	-	-	-
08-50	4,694-4,620	4530LR	DT	-	50	3,600	720	120,000	-	-	1,800	-	190,000	1.195	-	1.195	-	-	-	-	-
07-61	4,694-4,679	4530LR	DT	-	50	3,600	720	120,000	-	-	1,800	-	190,000	1.195	-	1.195	-	-	-	-	-
10-60	4,712-4,740	4530LR	58	-	MD	22,000	3,300	65,000	188	188	500	0	170,000	1.170	276,000	1.152	276,000	433	184,000	0.64	0.53
10-62	4,641-4,654	4530LR	58	-	MD	22,000	3,300	66,000	188	188	500	0	170,000	1.170	276,000	1.152	276,000	433	184,000	0.64	0.53
00-00	5,260-5,330	4530LR	DT	-	MD	28,000	3,300	73,000	260	260	1,800	0	200,000	1.012	280,000	1.012	280,000	534	195,000	0.44	0.44
13-62	4,460-4,460	4530LR	DT	-	MD	21,000	3,300	50,000	198	198	1,000	0	160,000	1.170	260,000	1.170	260,000	672	178,000	0.44	0.44
03-64	-	4530LR	PG	-	MD	21,000	5,600	62,000	85	85	310	0	180,000	1.168	260,000	1.168	260,000	673	190,000	0.44	0.44
03-64	-	4530LR	ST	-	MD	32,000	5,600	72,000	85	85	310	0	180,000	1.168	260,000	1.168	260,000	673	190,000	0.44	0.44
03-64	-	4530LR	DT	-	MD	28,000	6,200	62,000	61	61	250	0	180,000	1.174	260,000	1.174	260,000	679	190,000	0.44	0.44
21-63	3,932-3,972	4530LR	DT	-	MD	480	220	1,000	1,070	1,070	1,800	MD	38,000	1.070	5,800	1.070	5,800	937	6,030	86	86
30-65	-	4530LR	DT	-	MD	1,400	1,300	40,000	219	219	750	-	78,000	1.080	130,000	1.080	130,000	276	135,000	106	106
00-67	-	4530LR	DT	-	MD	2,000	690	84,000	341	341	6,200	-	130,000	1.135	220,000	1.135	220,000	043	189,000	0.55	0.55
02-68	3,400-4,260	4530LR	MD	31	25	3,600	2,000	64,000	669	669	4,000	1	110,000	1.115	180,000	1.115	180,000	124	168,000	0.55	0.55
10-63	4,200-4,385	4530LR	MD	0	0	1,400	1,100	59,000	335	335	1,600	MD	0	1.025	32,000	1.025	32,000	223	162,000	0.55	0.55
00-60	4,542-4,682	4530LR	MD	0	0	10,000	7,300	27,000	1,200	1,200	2,500	0	43,000	1.038	105,000	1.038	105,000	118	89,000	0.55	0.55
11-31	3,852-4,385	4530LR	MD	0	0	14,000	9,500	19,000	282	282	1,300	0	61,000	1.074	170,000	1.074	170,000	135	113,000	0.55	0.55
12-59	4,097-4,680	4530LR	ST	-	MD	2,400	810	77,000	625	625	2,300	0	120,000	1.137	170,000	1.137	170,000	1001	149,000	0.55	0.55
00-61	4,436-4,728	4530LR	MD	17	17	2,400	810	77,000	310	310	3,100	47	120,000	1.140	130,000	1.140	130,000	102	137,000	0.55	0.55
11-60	4,600-5,100	4530LR	MD	0	0	3,400	3,600	78,000	61	61	1,140	0	140,000	1.090	230,000	1.090	230,000	783	192,000	0.55	0.55
01-62	4,352-4,385	4530LR	MD	0	0	3,400	2,000	11,000	191	191	2,100	0	21,000	1.036	46,000	1.036	46,000	108	57,800	0.55	0.55
01-60	4,370-4,408	4530LR	MD	0	0	1,400	290	5,000	191	191	2,100	0	21,000	1.013	18,000	1.013	18,000	108	16,900	0.55	0.55
01-57	3,970-4,208	4530LR	MD	0	0	1,400	290	5,000	191	191	2,100	0	21,000	1.013	18,000	1.013	18,000	108	16,900	0.55	0.55
01-59	4,208-4,302	4530LR	MD	0	0	1,400	290	5,000	191	191	2,100	0	21,000	1.013	18,000	1.013	18,000	108	16,900	0.55	0.55
01-59	4,208-4,302	4530LR	MD	0	0	1,400	290	5,000	191	191	2,100	0	21,000	1.013	18,000	1.013	18,000	108	16,900	0.55	0.55
01-59	4,208-4,302	4530LR	MD	0	0	1,400	290	5,000	191	191	2,100	0	21,000	1.013	18,000	1.013	18,000	108	16,900	0.55	0.55
01-59	4,208-4,302	4530LR	MD	0	0	1,400	290	5,000	191	191	2,100	0	21,000	1.013	18,000	1.013	18,000	108	16,900	0.55	0.55
01-59	4,208-4,302	4530LR	MD	0	0	1,400	290	5,000	191	191	2,100	0	21,000	1.013	18,000	1.013	18,000	108	16,900	0.55	0.55
01-59	4,208-4,302	4530LR	MD	0	0	1,400	290	5,000	191	191	2,100	0	21,000	1.013	18,000	1.013	18,000	108	16,900	0.55	0.55
01-59	4,208-4,302	4530LR	MD	0	0	1,400	290	5,000	191	191	2,100	0	21,000	1.013	18,000	1.013	18,000	108	16,900	0.55	0.55
01-59	4,208-4,302	4530LR	MD	0	0	1,400	290	5,000	191	191	2,100	0	21,000	1.013	18,000	1.013	18,000	108	16,900	0.55	0.55
01-59	4,208-4,302	4530LR	MD	0	0	1,400	290	5,000	191	191	2,100	0	21,000	1.013	18,000	1.013	18,000	108	16,900	0.55	0.55
01-59	4,208-4,302	4530LR	MD	0	0	1,400	290	5,000	191	191	2,100	0	21,000	1.013	18,000	1.013	18,000	108	16,900	0.55	0.55
01-59	4,208-4,302	4530LR	MD	0	0	1,400	290	5,000	191	191	2,100	0	21,000	1.013	18,000	1.013	18,000	108	16,900	0.55	0.55
01-59	4,208-4,302	4530LR	MD	0	0	1,400	290	5,000	191	191	2,100	0	21,000	1.013	18,000	1.013	18,000	108	16,900	0.55	0.55
01-59	4,208-4,302	4530LR	MD	0	0	1,400	290	5,000	191	191	2,100	0	21,000	1.013	18,000	1.013	18,000	108	16,900	0.55	0.55
01-59	4,208-4,302	4530LR	MD	0	0	1,400	290	5,000	191	191	2,100	0	21,000	1.013	18,000	1.013	18,000	108	16,900	0.55	0.55
01-59	4,208-4,302	4530LR	MD	0	0	1,400	290	5,000	191	191	2,100	0	21,000	1.013	18,000	1.013	18,000	108	16,900	0.55	0.55
01-59	4,208-4,302	4530LR	MD	0	0	1,400	290	5,000	191	191	2,100	0	21,000	1.013	18,000	1.013	18,000	108	16,900	0.55	0.55
01-59	4,208-4,302	4530LR	MD	0	0	1,400	290	5,000	191	191	2,100	0	21,000	1.013	18,000	1.013	18,000	108	16,900	0.55	0.55
01-59	4,208-4,302	4530LR	MD	0	0	1,400	290	5,000	191	191	2,100	0	21,000	1.013	18,000	1.013	18,000	108	16,900	0.55	0.55
01-59	4,208-4,302	4530LR	MD	0	0	1,400	290	5,000	191	191	2,100	0	21,000	1.013	18,000	1.013	18,000	108	16,900	0.55	0.55
01-59	4,208-4,302	4530LR	MD	0	0	1,400	290	5,000	191	191	2,100	0	21,000	1.013	18,000	1.013	18,000	108	16,900	0.55	0.55
01-59	4,208-4,302	4530LR	MD	0	0	1,400	290	5,000	191	191	2,100	0	21,000	1.013	18,000	1.013	18,000	108	16,900	0.55	0.55
01-59	4,208-4,302	4530LR	MD	0	0	1,400	290	5,000	191	191	2,100	0	21,000	1.013	18,000	1.013	18,000	108	16,900	0.55	0.55
01-59	4,208-4,302	4530LR	MD	0	0	1,400	290	5,000	191	191	2,100	0	21,000	1.013	18,000	1.013	18,000	108	16,900	0.55	0.55
01-59	4,208-4,302	4530LR	MD	0	0	1,400	290	5,000	191	191	2,100	0	21,000	1.013	18,000	1.013	18,000	108	16,900	0.55	0.55
01-59	4,208-4,302	4530LR	MD	0	0	1,400	290	5,000	191	191	2,100	0	21,000	1.013	18,000	1.013	18,000	108	16,900	0.55	0.55
01-59	4,208-4,302	4530LR	MD	0	0	1,400	290	5,000	191	191	2,100	0	21,000	1.013	18,000	1.013	18,000	108	16,900	0.55	0.55
01-59	4,208-4,302	4530LR	MD	0	0	1,400	290	5,000	191	191	2,100	0	21,000	1.013	18,000	1.013	18,000	108	16,900	0.55	0.55
01-59	4,208-4,302	4530LR	MD	0	0	1,400	290	5,000	191	191	2,100	0	21,000	1.013	18,000	1.013	18,000	108	16,900	0.55	0.55
01-59	4,208-4,302	4530LR	MD	0	0	1,400	290	5,000	191	191	2,100	0	21,000	1.013	18,000	1.013	18,000	108	16,900	0.55	0.55
01-59	4,208-4,302	4530LR	MD	0	0	1,400	290	5,000	191	191	2,100	0	21,000	1.013	18,000	1.013	18,000	108	16,900	0.55	0.55
01-59	4,208-4,302	4530LR	MD	0	0	1,400	290	5,000	191	191	2,100	0	21,000	1.013	18,000	1.013	18,000	108	16,900	0.55	0.55
01-59	4,208-4,302	4530LR	MD	0	0	1,400	290	5,000	191	191	2,100	0	21,000	1.013	18,000	1.013	18,000	108	16,900	0.55	0.55
01-59	4,208-4,302	4530LR	MD	0	0	1,400	290	5,000	191	191	2,100	0	21,000	1.013	18,000	1.013	18,000	108	16,900	0.55	0.55
01-59	4,208-4,302	4530LR	MD	0	0	1,400	290	5,000	191	191	2,100	0	21,000	1.013	18,000	1.013	18,000	108	16,900	0.55	0.55
01-59	4,208																				

16	1-500	1,047		1,047																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																															
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TABLE 4A.--WATER-QUALITY DATA FOR EDDY AND LEA COUNTIES, NEW MEXICO, ARRANGED BY BOTH FORMATION SOURCE AND GEOGRAPHIC LOCATION.

[illegible]

TRANSMITTAL



BALLEAU GROUNDWATER, INC.
901 Rio Grande Blvd. NW, Suite F-242
Albuquerque, New Mexico 87104
(505) 247-2000

To Mr. William C. Olson
State of New Mexico, Oil Conservation Div.
1220 S. St. Francis Drive
Santa Fe, NM 87505

Date December 31, 2001

From Ross Wolford

Subject CARLSBAD/WELLFIELD

The following items are attached

☒ ☐

as requested.

for your use.

☐ ☐

as we discussed.

for review/comment.

Item

No.

Copies

Description

1	1	Figure 1 - City of Carlsbad MW-3 Locality Map

Remarks

Signed

Ross Wolford

Copied to: Mr. J. Tully

☐

with attachments

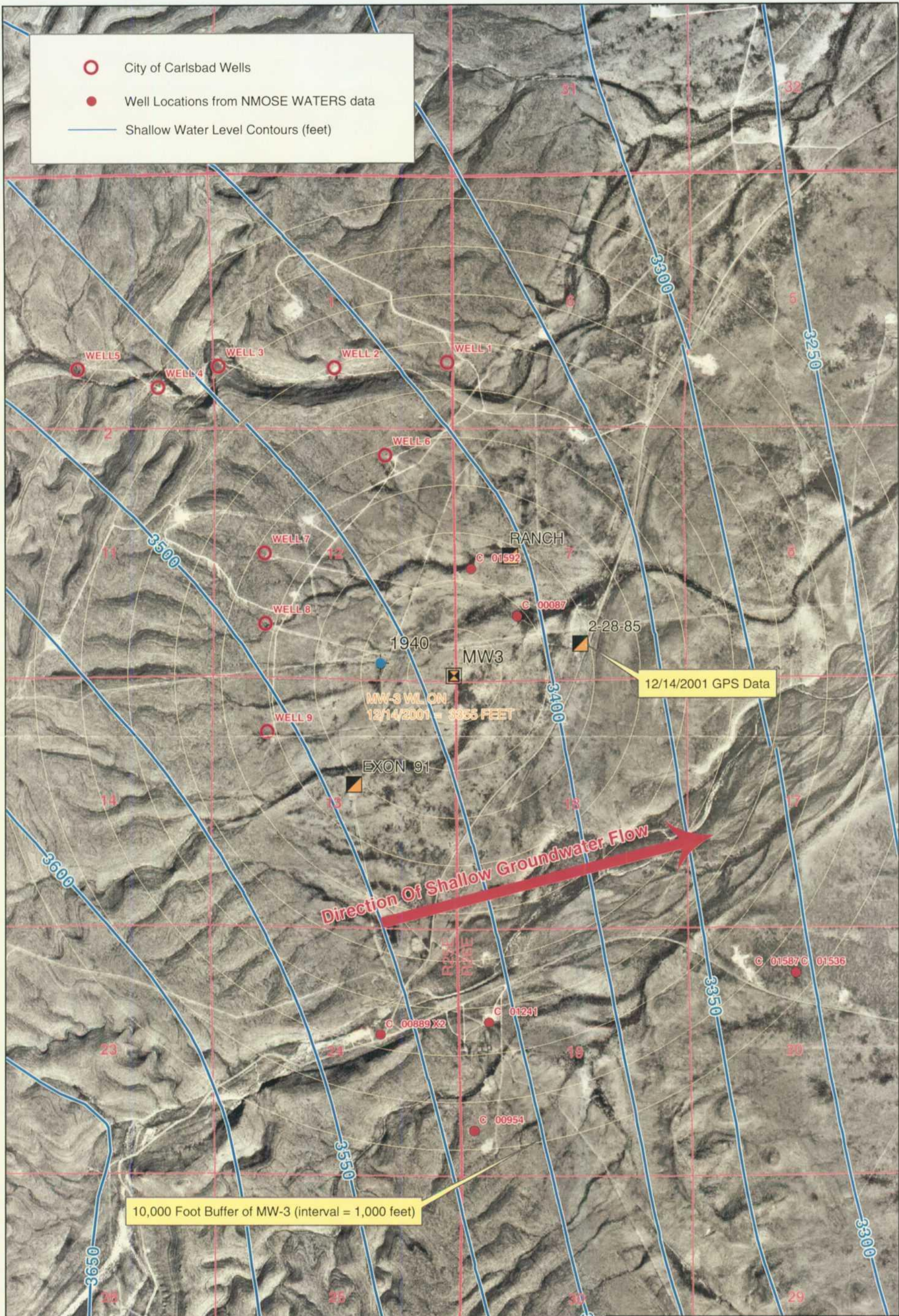
☒

without attachments

Please notify us if attachments are not as noted.

Facsimile (505) 843-7036

- City of Carlsbad Wells
- Well Locations from NMOSE WATERS data
- Shallow Water Level Contours (feet)



0 1,000 2,000 3,000 Feet



1:24,000
MAP PROJECTION: UTM ZONE 13N, NAD83

CARLSBAD / WELLFIELD PLANNING

CITY OF CARLSBAD MW-3
LOCALITY MAP

FIGURE 1



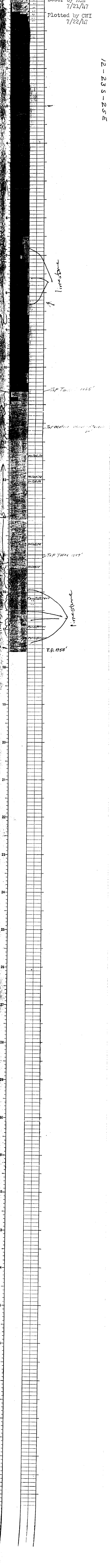
DATE: 12/25/2001
PRODUCED BY: SES
CHECKED BY: RW
FILE NAME: LOCALITY.MXD

RECEIVED

JAN 07 2002

ENVIRONMENTAL BUREAU
OIL CONSERVATION DIVISION

Eddy County, New Mexico
AREA Wildcat
OPERATOR Turney & De Vito
LEASE & No. De Vito No. 1
LOCATION 1650 E and 330S
Sec 12; T23S; R25E
ELEV. 3446 T.D. 1758
FORM NO. 395 - In stock and for sale by Mid-West Print. Co., Tulsa

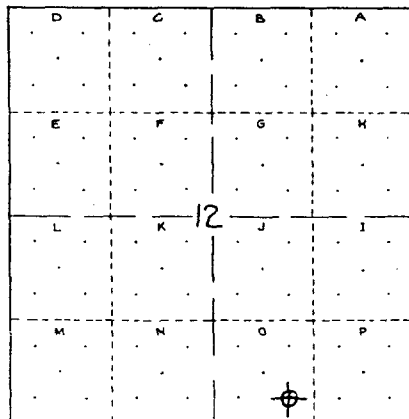


EDDY COUNTY, N. M.

LOG STRIP

T. 23 S. R. 25 E. Sec. 12
330 fr SL ; 1650 fr EL Unit 0

SAMPLE LOG 0 TO 1755 PLOTTED



CASING RECORD

SIZE	DEPTH	CEMENT

OPERATOR TURNER, FRED

LEASE DeVito (Federal) WELL NO. 1
Spud Comp. T. D.
Tools Cable
I. P. ABANDONED After

Producing Zone:

DRILL STEM TESTS

DATE	FROM TO	OPEN	RESULTS

Shows: H F Sol Wtr (Castile) 840
WTR 1450-59 (Lamar)
" 1640-47 (Del sd)

ELEVATION BY L-S 3446

GEOLOGICAL RECORD

FORMATION	DEPTH	DATUM	INFO.	FORMATION	DEPTH	DATUM	INFO.
Top Rustler				Top Pennsylvanian (Cisco)			
Base Rustler Lime				Top Canyon			
Top Salt	None		SL	Top Strawn			
Base Salt	"		SL	Top Bond (Atoka)			
Top Tansil				Top Mississippian (Chester)			
Top Yates				Top Miss. Lime			
Base 2nd Yates Sand				Top Devonian (Woodford)			
Top Seven Rivers (Capitan)				Top Devonian Lime			
Base Anhydrite				Top Silurian (Fusselman)			
Top Queen				Top Ordovician (Montoya)			
Top Penrose				Top Simpson			
Top Grayburg				Top Ellenburger			
Top San Andreas				Top Cambrian (Bliss)			
Top Glorietta				Top Pre-Cambrian			
Top Yeso							
Top Drinkard Zone				INTVL. T.A. — B.R.L.			
Top Fullerton Zone				B.R.L. — B.S.			
Top Abo				T.A. — B.S. (Salado)			
Top Wolfcamp (Hueco)				B.S. — T.T. (Fletcher)			
Top Bursum				T.T. — T.Y. (Tansil)			
DELAWARE BASIN				T.Y. — T.S.R.L. (Yates)			
Top Lamar	1078	+2368	SL	B.S. — B.A. (Gradational)			
Top Del. Sand	1528	+1918	SL	B.S. — T.D.L. (Castile)			
Top Bone Springs				T.D.L. — T.D.S. (Lamar)		450	SL
				T.D.S. — T.B.S.L. (Delaware)			
				T.D.L. - Fluids (Wtr)		562	SL-op

NEW MEXICO BUREAU OF MINES AND MINERAL RESOURCES

WELL LOG CARD

LOCATION 1650 EL

330 SL

SEC 12 T23S R25E

ELEVATION SOURCE

3446 J.W. SKINNER

STRATIGRAPHIC POINT

SO 1533, SW 765-40

840-45, 880, 1465-58

HFSW. 1642-47 400'

SAL Wth. 1441-51-1200'

WTH. 1758

FORMATION

DEPTH

THICKNESS

TOTAL DEPTH

1758

1 BBL. OIL

5 + A

P M CU. FT. GAS

10" 45'

COMMENCED

COMPLETED

12-11-40-SR

PAY HORIZON

COMP. IN

Sand

OTHER OWNERSHIP

REMARKS: SR 10-9-40

LAND

FEDERAL

X

CLASS.

STATE

PAYD.

W-C

AREA

LOG. NO.

SEC. 12 T. 23S R. 25E

Devito

TURNER & DEVITO

WELL NO.

CO.

Sheep Draw Well Field, Eddy County, New Mexico
Bryan G. Arrant-PES
New Mexico Oil Conservation Division-District II
May 5th, 2002

The Sheep Draw Well Field, located in southeastern Eddy County, New Mexico lies approximately 12 miles southwest of the City of Carlsbad. Located in this area are 9 city water wells, which serve the City Carlsbad residents and surrounding areas. A number of monitor wells have been drilled around the 9 water wells in order to insure that the quality and quantity of these water wells be protected. Water sample test that were recently conducted with one of the monitor wells has indicated a relatively high concentration of chlorides and traces H₂S gas by the City of Carlsbad. In addition, the New Mexico Oil Conservation Division has also conducted water sample tests from this monitor well in order to more accurately determine what type and values of contamination are found.

Located in Eddy County, New Mexico in the northeastern corner of Township 23 South and Range 25 East, the Sheep Draw well Field lies on both Federal and State lands with oil and gas activity in and surrounding the area. The site of the Sheep Draw Well Field lies geologically where the Permian Basin Reef complex and the Delaware Basin prograde into each other. All of the city water wells are found to be geologically on the eastern fringe of the Guadalupe Ridge, which is part of the massive Permian Reef complex. (Please refer to the '**Guadalupe Stratigraphy Insert**'). The monitor well that has been found to be contaminated however is located just off the massive reef complex and is actually located out in the Delaware Basin.

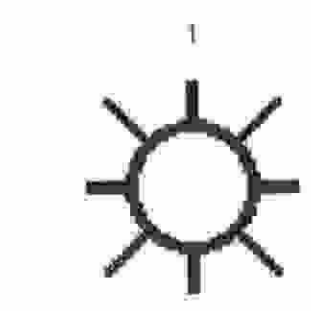
Figure 1 shows how the lithologic record of rocks were laid down during what is called the Leonardian and Guadalupian series during Permian time, part of the geological time scale. This rock strata, in part, is well exposed as the Permian Reef southwest of Carlsbad in the Guadalupe Mountains. The City of Carlsbad water wells, located on the eastern edge of the Guadalupe Mountains, were drilled to an average depth of @ 650'. Which lies in the upper Capitan in the Tansill and Yates formations, which is about mid Permian time in geological age.

An abstract, **Exhibit 1**, written by a number of geologists for Amoco Production Company and Southern Methodist University describes from wells drilled in this area how each bore-hole and its location ties in with the Permian Reef complex and the Delaware Basin. Of the bore holes listed in the cross section, the Devito #1 shows to be out in the Delaware basin penetrating salts of the Delaware formation. Note that the Devito well is approximately 1600 feet west of the monitor well in question, which would lie further out in the basin. The Devito well, which was drilled back in the late 40's, rock cuttings indicate that anhydrites common in the Delaware Basin are found in this well bore.

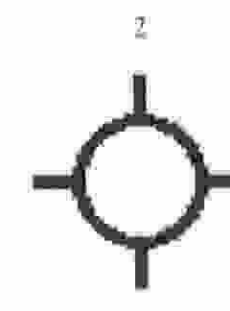
Figure 2 is a stratigraphic cross-section that transverses the area that includes the Devito No. 1 well. Beginning in Section 11 of Township 23 South, Range 25 East, the Exxon Mary Federal No. 5 well bore hole logs indicates carbonate reef lithologically, of the Permian Reef to a depth of 1620' where the oil and gas operator set their 1st string of casing. This was to insure the protection of fresh water of the reef. The 4th well on this cross section shows the Devito well. Note on the strip log where the geologist noted anhydrite rock to a depth of 1065'. This again being an evaporite is indicative of the type of rock that is commonly found in the Salado formation of the Delaware. The strip log that was drawn up in 1947 erroneously marks the depth of 1065' as the Tansill formation, which is incorrect. The last well on the cross section in Section 5 of Township 23 South, Range 26 East is furthest to the east and shows rock records to be also of Delaware type origin as one would expect. The operator of this well ran a caliper in the log shown indicating where the salt formations occur in the Salado formation.

The monitor well in question is found geologically to be just off the Permian Reef Complex and on the western fringes of the Delaware Basin. This well penetrated the surface alluvium at a depth of approximately 119' and lies directly above the upper Salado formation. Therefore, lithologically there is no direct correlation with the monitor well in question and wells drilled in the Capitan limestone in the Reef to the west.

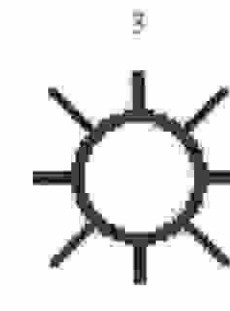
FIGURE 3



3001525780000
EXXON CORPORATION
MARY FEDERAL 5
023 08 025 0E 011
TD 10731.0 ft
G
3860.0 ft KB



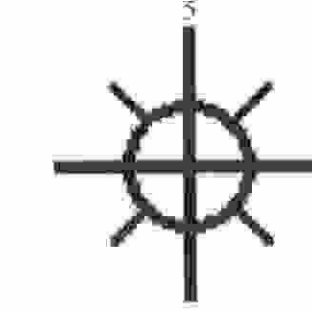
3001525046000
EXXON CORPORATION
MARY FEDERAL 5-7
023 08 025 0E 011
TD 5105.0 ft
D&A
3739.0 ft KB



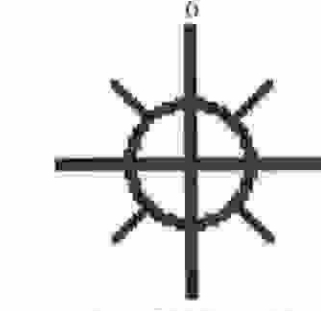
3001520898000
HANAGAN PET CORP
SQUAW 1
023 08 025 0E 012
TD 11460.0 ft
G
3540.0 ft KB



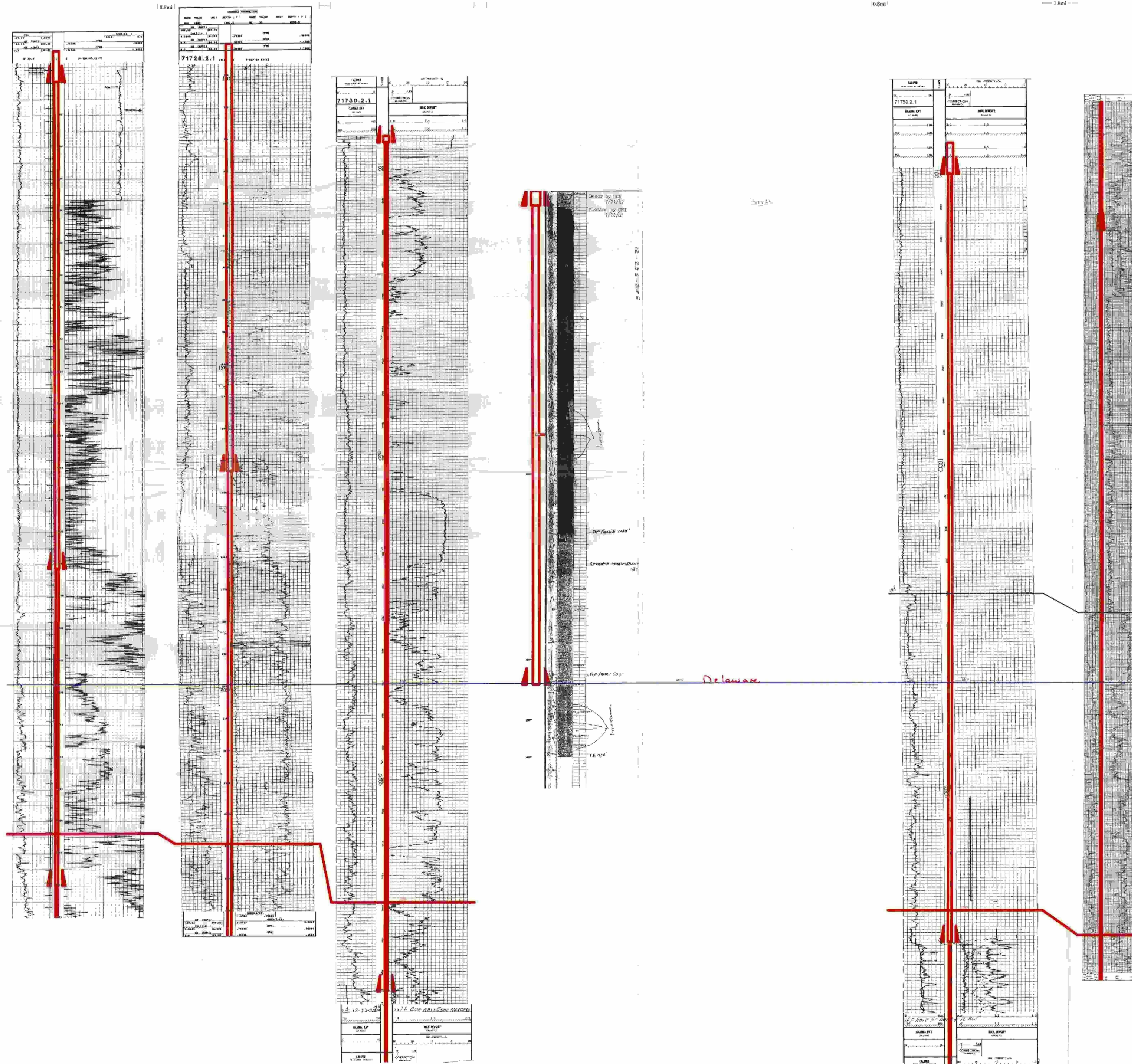
3001500126000
TURNER-DEVITO
DEVITO 1
023 08 025 0E 012
TD 1758.0 ft
D&A-G
3446.0 ft KB



3001521477000
HANAGAN PET CORP
NEWMAN COM 1
023 08 026 0E 007
TD 11626.0 ft
AG
3454.0 ft KB



3001525578000
CITIES SERV OIL CO
FEDERAL INC DM 1
023 08 026 0E 005
TD 11750.0 ft
AG
3345.0 ft KB



STRATIGRAPHIC SECTION SHEEP DRAW AREA DATUM TOP DELAWARE

Parameter	Carlsbad City Samples (12/20/01)	OCD Samples Trace Analysis (3/5/02)	OCD Samples Pinnacle Labs (3/5/02)
Benzene	0.005	0.02	ND
Toluene	0.005	ND	0.015
Ethylbenzene	ND	ND	0.0039
Xylene	ND	ND	0.0084
Chloride	123,000	117,000	120,000
Sulfate	NA	29,300	25,000
Total Dissolved Solids	NA	271,000	224,000

ND - not detected

NA - not analyzed

Table 1 – Ground Water Quality in MW-3 (mg/l)

TABLE 2 – Delaware Formation Water Quality (W.L. Hiss –1975)

LATE GUADALUPIAN CORRELATIONS, PERMIAN REEF COMPLEX, WEST TEXAS AND NEW MEXICO

by Willis W. Tyrrell, Jr., *Amoco International Oil Company, Chicago, Illinois*,
Donald H. Lokke, *Southern Methodist University, Dallas, Texas*,
George A. Sanderson, *Amoco Production Company, Tulsa, Oklahoma* and
George J. Verville, *Amoco Production Company, Denver, Colorado*

Abstract

The Tansill Formation (shelf deposit), upper Capitan Formation (shelf margin deposit), and Lamar Limestone (basinal deposit) are the uppermost carbonate units of the Permian Reef Complex. The Lamar Limestone Member of the Bell Canyon Formation is separated from the overlying Castile Formation by the "post-Lamar beds" consisting of Capitan debris at the margin of the Delaware Basin and a thin sandstone unit further basinward. The generally accepted correlation of the middle and lower Tansill with the Lamar (Tyrrell, 1969) has been questioned by Achauer (1969) and Kelly (1971), who correlate the Lamar with the Seven Rivers Formation. Their correlations contradict the exceptionally fine fusulinid zonation first established by Skinner and Wilde (1954, 1955) for the Lamar.

Fig. 1 shows the location and stratigraphic relationship of two Amoco Research core holes and a section measured along the north wall of Dark Canyon. The Amoco No. 2 Dark Canyon cored 399 ft of the Tansill Formation and the upper 70 ft of the underlying Yates Formation. The Ocotillo Silt Member is present from 86-118 ft. Fusulinid occurrences in this core include (from top to bottom):

Fusulinid	Depth (in ft)
Poorly preserved <i>Paraboultonia</i> (?)	15-80
<i>Reichelina</i>	106-232
<i>Paradoxiella</i>	242-324
<i>Codonofusiella</i>	332-469 (total depth)
<i>Yabeina texana</i>	391 (one bed)

In the Amoco No. 1 Dark Canyon core hole, the upper 220 ft consists mostly of Tansill lithology with a few units of Capitan lithology; the section from 220-290 ft is transitional with alternating Tansill and Capitan lithologies; and the section from 290 ft to total depth (400 ft) is massive Capitan.

Paraboultonia is common from 40-394 ft, and no *Reichelina* were found.

The small Tethyan fusulinid genera in the two core holes and in measured sections and well cuttings of Tansill and Lamar between Dark Canyon and McKittrick Canyon reconfirm: 1) *Paraboultonia* is restricted to the Ocotillo Silt Member and the overlying upper Tansill beds, as well as to the uppermost Capitan, uppermost Lamar and post-Lamar beds; 2) *Reichelina* slightly overlaps the lower part of the *Paraboultonia* zone, but otherwise is restricted to the middle Tansill and to all except the lower Lamar; 3) *Paradoxiella* is present in the middle Tansill and middle and lower Lamar; 4) *Yabeina texana* is restricted to the lowermost Tansill and lowermost Lamar; 5) *Codonofusiella* ranges as high as the lower Tansill and lower Lamar; 6) *Polydiexodina*, the large fusulinid characteristic of the upper Guadalupian in west Texas, does not range as high as the Tansill or Lamar.

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Appendix
A

ABSTRACT-EXHIBIT 1

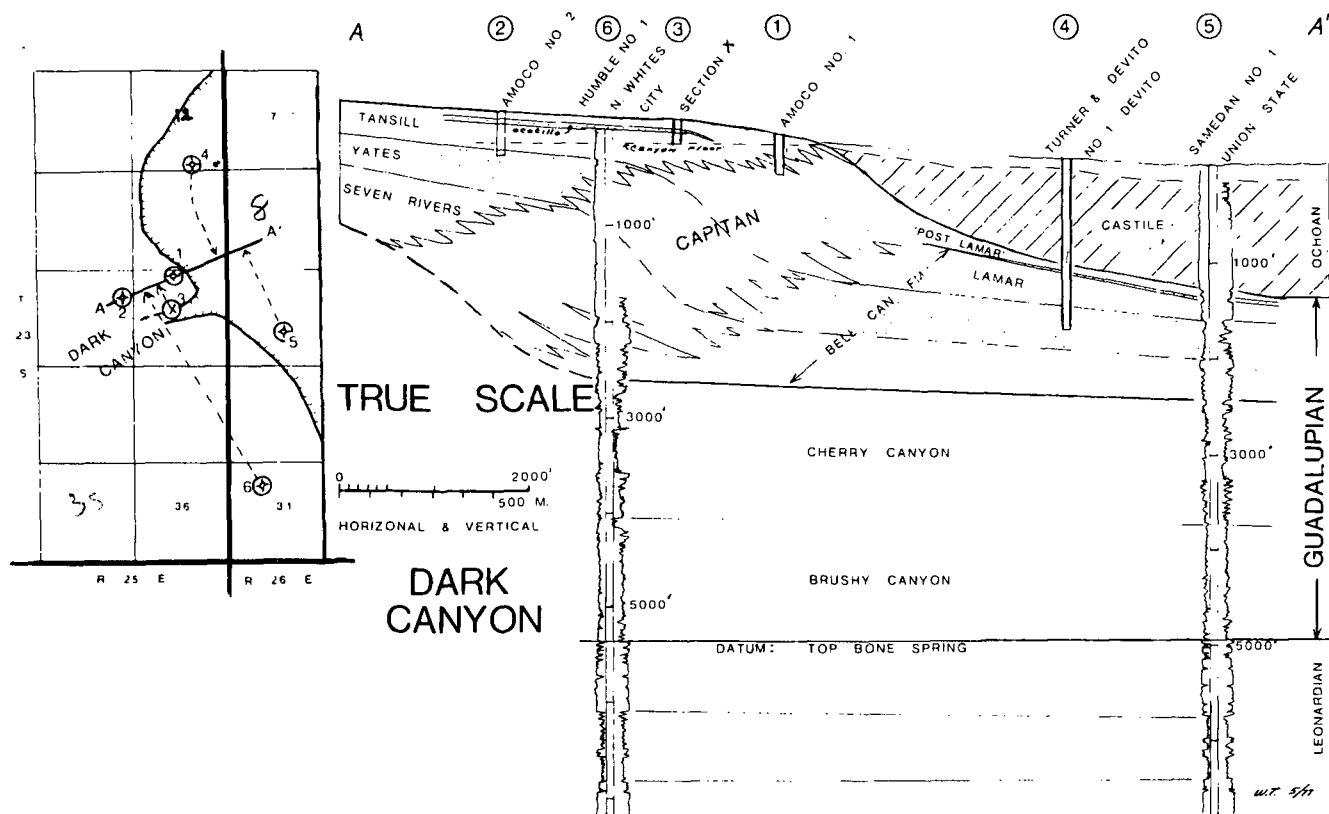


FIGURE 1—TRUE-SCALE STRATIGRAPHIC SECTION SHOWING RELATIONSHIPS OF AMOCO CORE HOLES TO NEARBY WELL CONTROL IN DARK CANYON, GUADALUPE MOUNTAINS, EDDY COUNTY, NEW MEXICO.

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(five abstracts follow)

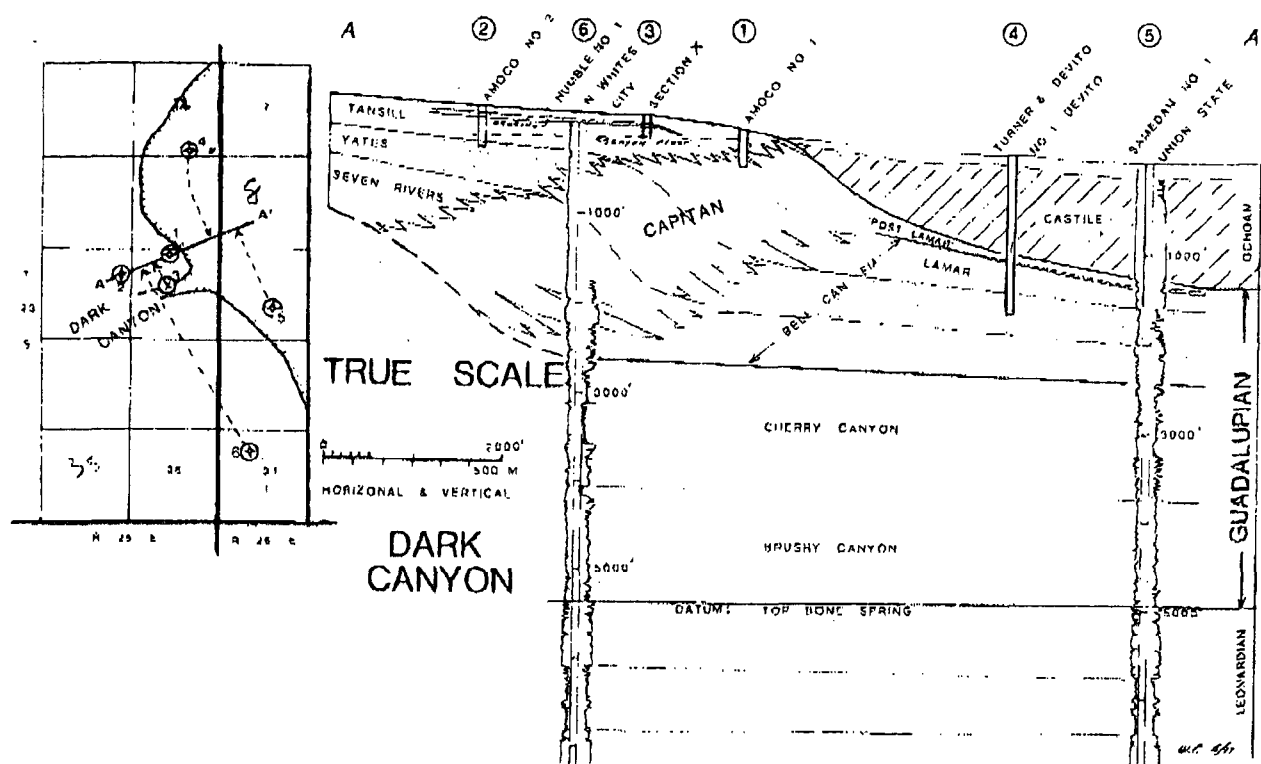


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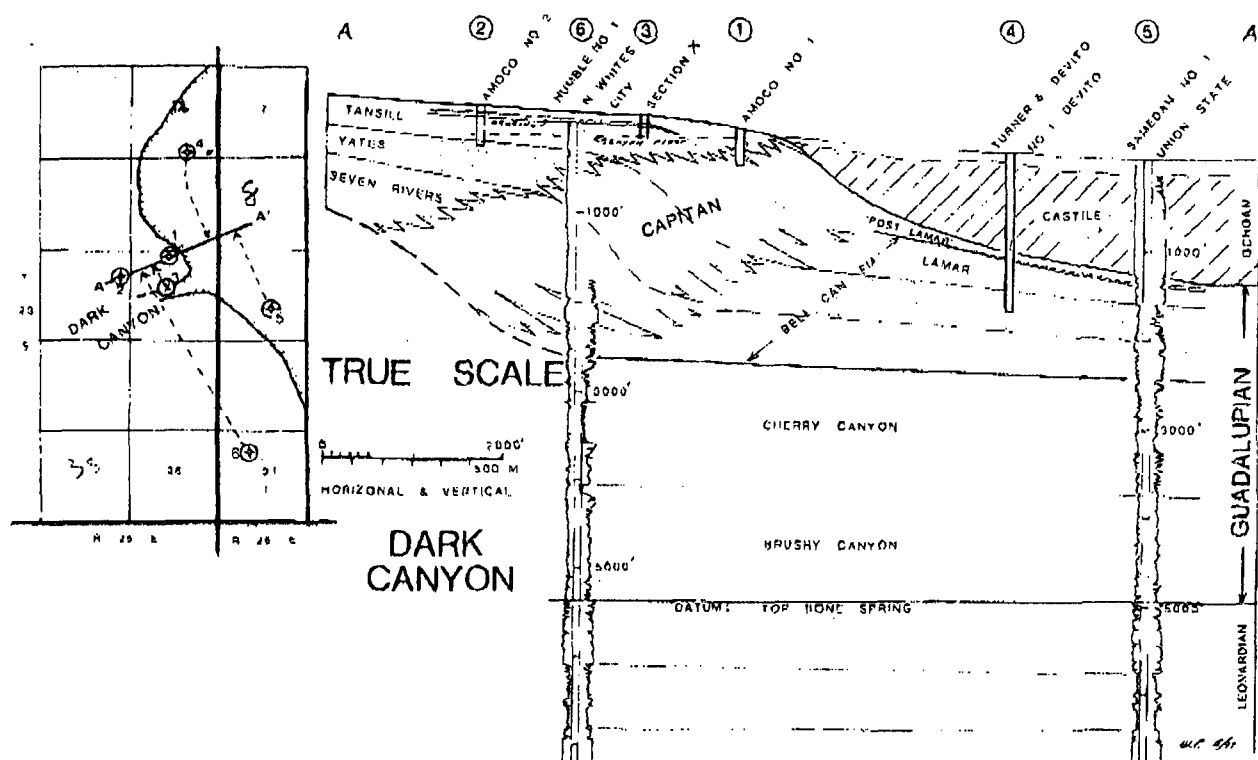


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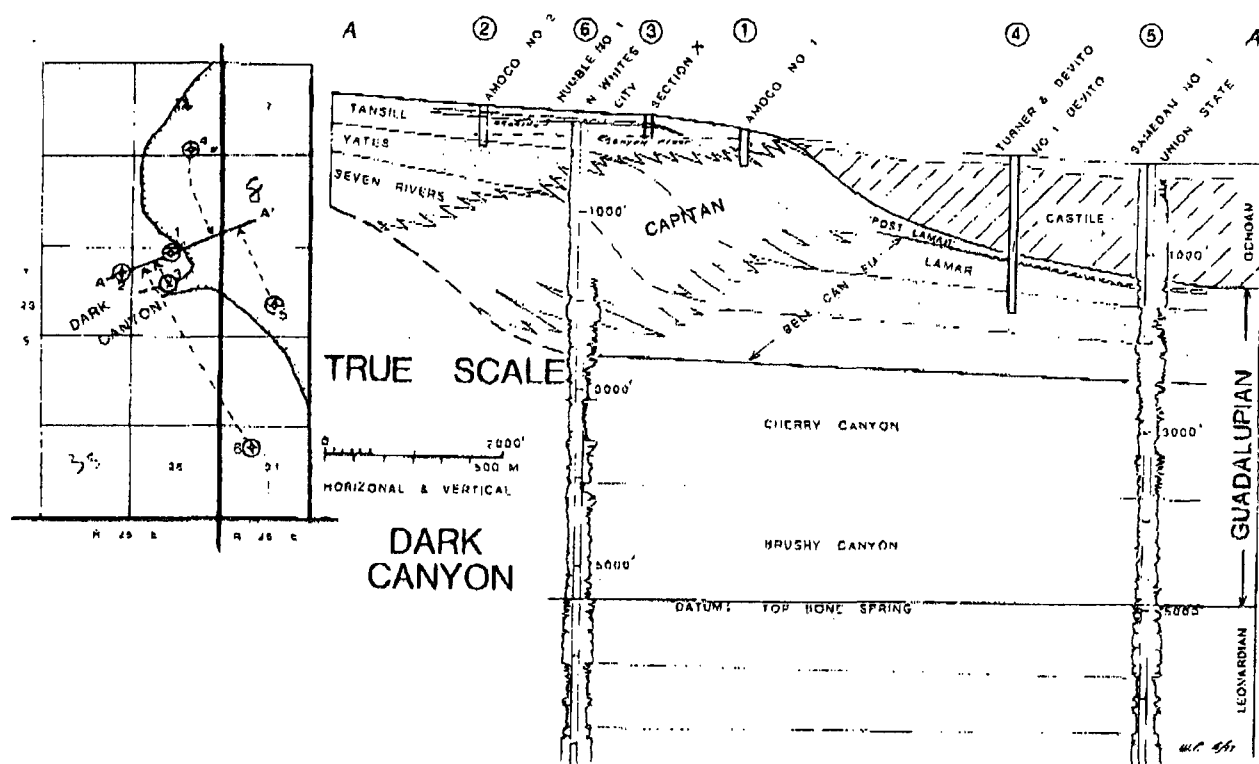


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New Mexico Office of the State Engineer
Point of Diversion Summary

Back

(quarters are 1=NW 2=NE 3=SW 4=SE)

(quarters are biggest to smallest)

POD Number	Tws	Rng	Sec	q	q	q	Zone	X	Y
C 02878	23S	25E	12	4	4	4			

Driller Licence: 1472 HYDROGEOLOGIC SERVICES, INC.

Driller Name: WHALEY, BILL W.

Source: Shallow

Drill Start Date: 10/21/2001

Drill Finish Date: 10/22/2001

Log File Date: 07/01/2002

PCW Received Date:

Pump Type:

Pipe Discharge Size:

Casing Size: 7

Estimated Yield:

Depth Well: 320

Depth Water: 90

Water Bearing Stratifications:	Top	Bottom	Description
	90	110	Shallow Alluvium/Basin Fill

Casing Perforations:	Top	Bottom
	102	110

Appendix
DB

**New Mexico Office of the State Engineer
Water Right Summary**

[Back](#)

DB File Nbr: C 02878

Primary Purpose: STK 72-12-1 LIVESTOCK WATERING

Primary Status: PMT Permit

Total Acres:

Total Diversion: 3

Owner: CITY OF CARLSBAD

Contact: LUIS CAMERO

Documents on File

Doc	File/Act	Status	1	2	3	Trans	Desc	From/To	Acres	Diversion	Co
72121	12/17/2001	PMT	LOG	PRC	C	02878		T		3	

(qtr are 1=NW 2=NE 3=SW 4=SE)

Point of Diversion	(qtr are biggest to smallest)	X Y are in Feet	UTM a
POD Number	Source	Tws Rng Sec q q q	UTM_Z
C 02878	Shallow	23S 25E 12 4 4 4	13

New Mexico Office of the State Engineer
Well Reports and Downloads

Township: Range: Sections:

NAD27 X: Y: Zone: Search Radius:

County: Basin: Number: Suffix:

Owner Name: (First) (Last) ☐ Non-Domestic ☐ Domestic
☒ All

Well / Surface Data Report

Avg Depth to Water Report

Water Column Report

Clear Form

WATERS Menu

Help

AVERAGE DEPTH OF WATER REPORT 08/29/2002

Bsn	Tws	Rng	Sec	Zone	X	Y	Wells	(Depth Water in Feet)		
								Min	Max	Avg
C	23S	25E	12				1	90	90	90

Record Count: 1

**New Mexico Office of the State Engineer
Transaction Summary**

Back

72121 All Applications Under Statute 72-12-1

Trn_nbr: 220692

Trn_desc: C 02878

File Date: 12/17/2001

Primary status: PMT Permit

Secondary status: LOG Well Log Received

Person assigned: *****

Applicant: CITY OF CARLSBAD

Contact: LUIS CAMERO

Events

Date	Type	Description	Comment
12/17/2001	APP	Application Received	
12/17/2001	FIN	Final Action on application	
12/17/2001	ART	Artesian Approval Letter sent	
07/01/2002	LOG	Well Log Received	

DB File Nbr

C 02878

Acres Diversion Consumptive Purpose of Use

3

STK 72-12-1 LIVESTOCK WATERIN

Point of Diversion

C 02878

23S 25E 12 SE SE SE in Eddy County

Remarks

Well will be used for monitoring the groundwater for the Carlsbad Well Field.

Conditions

- 2 : The well shall be constructed to artesian well specifications and the State Engineer shall be notified before casing is landed or cemented.

Action of the State Engineer

Approval Code: A Approved

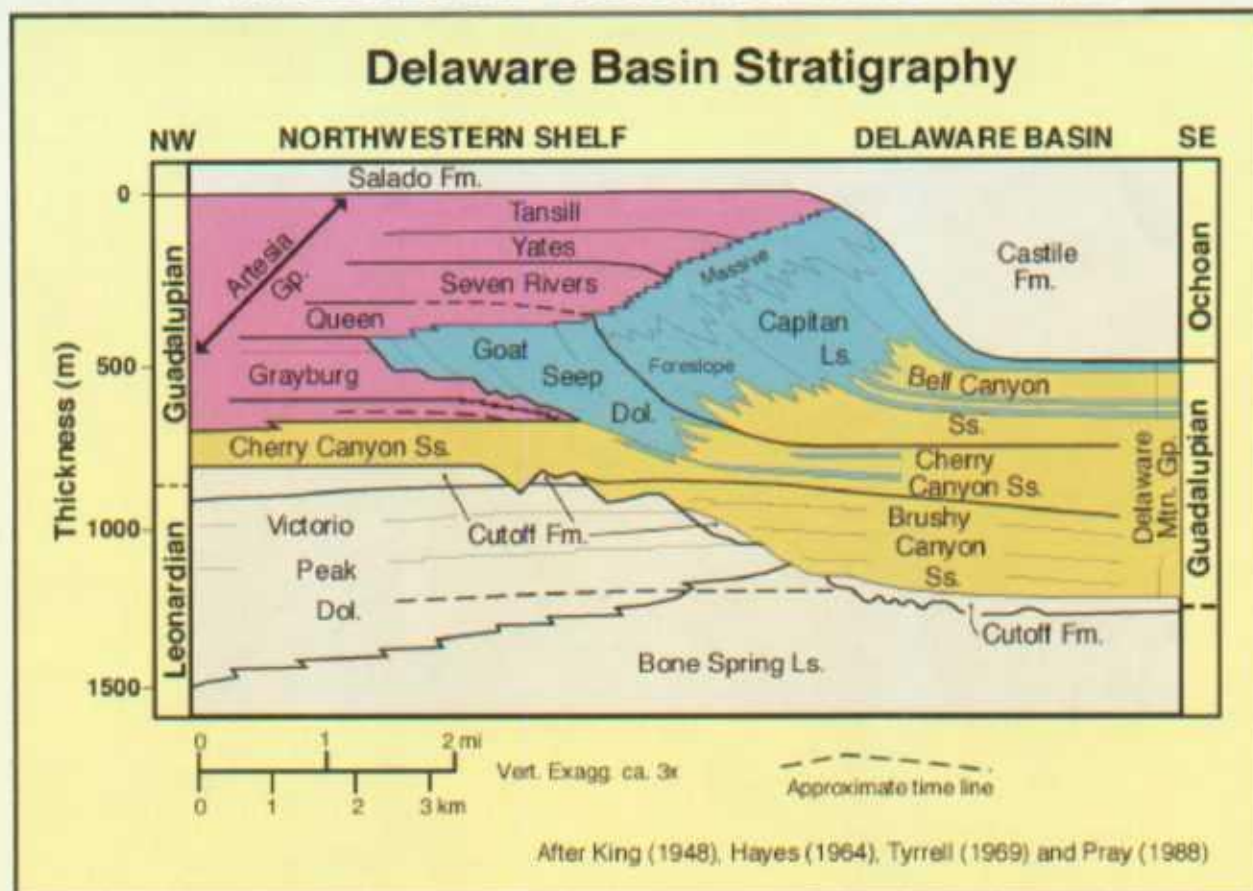
Action Date: 12/17/2001

Log Due Date: 12/17/2002

State Engineer: Thomas C. Turney

By:

GUADALUPE STRATIGRAPHY INSERT



Standard stratigraphic nomenclature of the Permian strata exposed in the Guadalupe Mountains.
Modified from many sources including King (1948), Hayes (1964), Tyrrell (1969) and Pray (1988a).

[Guadalupe Mtns. geology](#) — [Scholle home page](#) — [NM Bureau staff page](#) — [NM Bureau main page](#)

FIGURE 2

LATE GUADALUPIAN CORRELATIONS, PERMIAN REEF COMPLEX, WEST TEXAS AND NEW MEXICO

by Willis W. Tyrrell, Jr., *Amoco International Oil Company, Chicago, Illinois*,
Donald H. Lokke, *Southern Methodist University, Dallas, Texas*,
George A. Sanderson, *Amoco Production Company, Tulsa, Oklahoma* and
George J. Verville, *Amoco Production Company, Denver, Colorado*

Abstract

The Tansill Formation (shelf deposit), upper Capitan Formation (shelf margin deposit), and Lamar Limestone (basinal deposit) are the uppermost carbonate units of the Permian Reef Complex. The Lamar Limestone Member of the Bell Canyon Formation is separated from the overlying Castile Formation by the "post-Lamar beds" consisting of Capitan debris at the margin of the Delaware Basin and a thin sandstone unit further basinward. The generally accepted correlation of the middle and lower Tansill with the Lamar (Tyrrell, 1969) has been questioned by Achauer (1969) and Kelly (1971), who correlate the Lamar with the Seven Rivers Formation. Their correlations contradict the exceptionally fine fusulinid zonation first established by Skinner and Wilde (1954, 1955) for the Lamar.

Fig. 1 shows the location and stratigraphic relationship of two Amoco Research core holes and a section measured along the north wall of Dark Canyon. The Amoco No. 2 Dark Canyon cored 399 ft of the Tansill Formation and the upper 70 ft of the underlying Yates Formation. The Ocotillo Silt Member is present from 86-118 ft. Fusulinid occurrences in this core include (from top to bottom):

Fusulinid	Depth (in ft)
Poorly preserved <i>Paraboultonia</i> (?)	15-80
<i>Reichelina</i>	106-232
<i>Paradoxiella</i>	242-324
<i>Codonofusiella</i>	332-469 (total depth)
<i>Yabeina texana</i>	391 (one bed)

In the Amoco No. 1 Dark Canyon core hole, the upper 220 ft consists mostly of Tansill lithology with a few units of Capitan lithology; the section from 220-290 ft is transitional with alternating Tansill and Capitan lithologies; and the section from 290 ft to total depth (400 ft) is massive Capitan.

Paraboultonia is common from 40-394 ft, and no *Reichelina* were found.

The small Tethyan fusulinid genera in the two core holes and in measured sections and well cuttings of Tansill and Lamar between Dark Canyon and McKittrick Canyon reconfirm: 1) *Paraboultonia* is restricted to the Ocotillo Silt Member and the overlying upper Tansill beds, as well as to the uppermost Capitan, uppermost Lamar and post-Lamar beds; 2) *Reichelina* slightly overlaps the lower part of the *Paraboultonia* zone, but otherwise is restricted to the middle Tansill and to all except the lower Lamar; 3) *Paradoxiella* is present in the middle Tansill and middle and lower Lamar; 4) *Yabeina texana* is restricted to the lowermost Tansill and lowermost Lamar; 5) *Codonofusiella* ranges as high as the lower Tansill and lower Lamar; 6) *Polydixodina*, the large fusulinid characteristic of the upper Guadalupian in west Texas, does not range as high as the Tansill or Lamar.

References

- Achauer, C. W., 1969, Origin of the Capitan Formation, Guadalupe Mountains, New Mexico and Texas: *American Association of Petroleum Geologists, Bull.*, v. 53, p. 2314-2323
- Kelley, V. C., 1971, Geology of the Pecos Country, southeastern New Mexico: New Mexico Bureau of Mines and Mineral Resources, Mem. 24, 75 p.
- Skinner, J. W., and Wilde, G. L., 1954, The fusulinid subfamily Boultoniinae: *Journal of Paleontology*, v. 28, p. 434-444
- , 1955, New fusulinids from the Permian of west Texas: *Journal of Paleontology*, v. 29, p. 927-940
- Tyrrell, W. W., Jr., 1969, Criteria useful in interpreting environments of unlike but time-equivalent carbonate units (Tansill-Capitan-Lamar), Capitan Reef Complex, west Texas and New Mexico: *Society of Economic Paleontologists and Mineralogists, Spec. Pub. No. 14*, p. 8-97

(five abstracts follow)

84

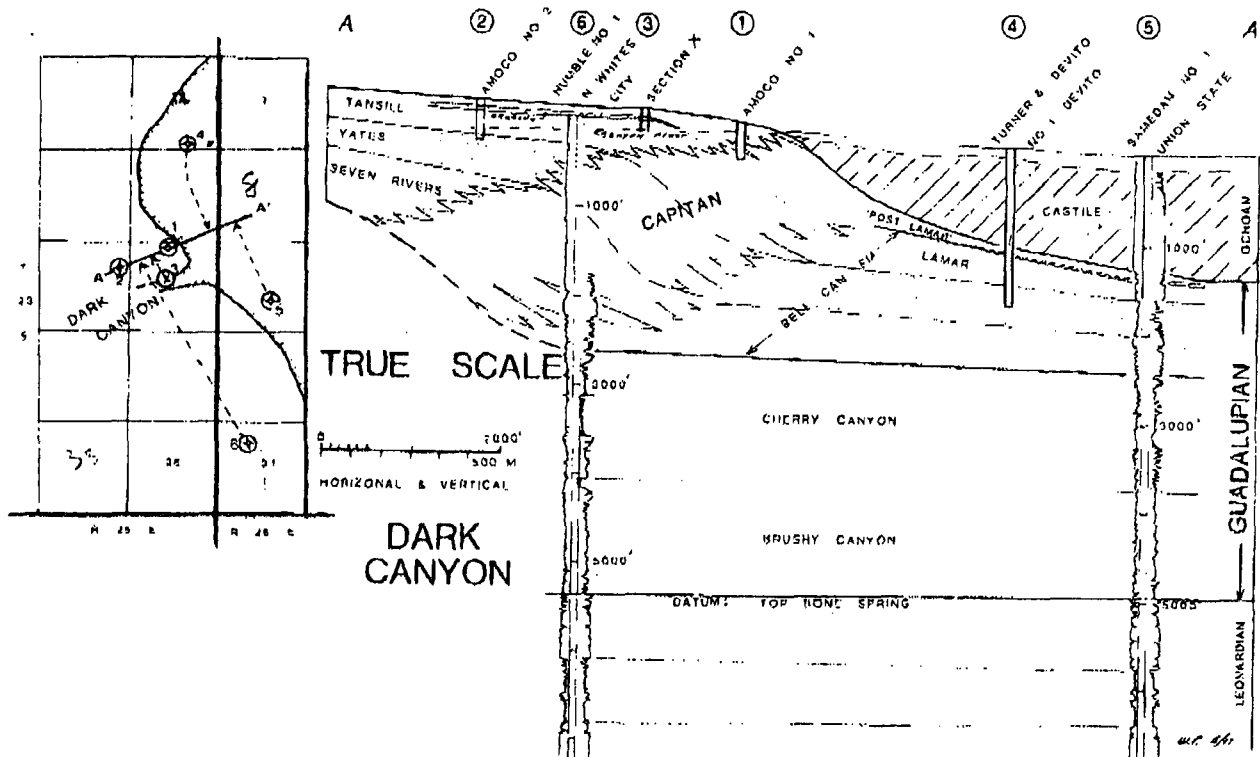


FIGURE 1—TRUE-SCALE STRATIGRAPHIC SECTION SHOWING RELATIONSHIPS OF AMOCO CORE HOLES TO NEARBY WELL CONTROL IN DARK CANYON, GUADALUPE MOUNTAINS, EDDY COUNTY, NEW MEXICO.

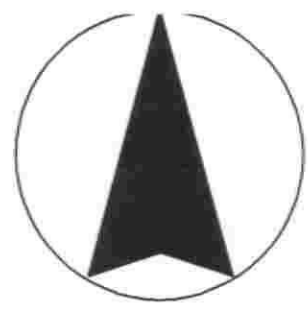
Site #3

6" Surface Casing ^{+1.5'} 0-80'

0-1.5' pad
1.5-3' SM - Sand with Lilt, light brown, dry
3'-8' SC - Sand with Clay, (Caliche) tan-white, dry
8'-36' CL - Clay, with sand and cobbles, red brown
Sli - moist - moist
36'-47' Fractured - weathered Limestone light grey
47'-⁹²~~118~~ Consolidated LS light grey - grey
92-118 Fractured / weathered LS.
118-¹¹⁸ brine / dark water
118-320 Dry Limestone, grey to dark grey
TD 320

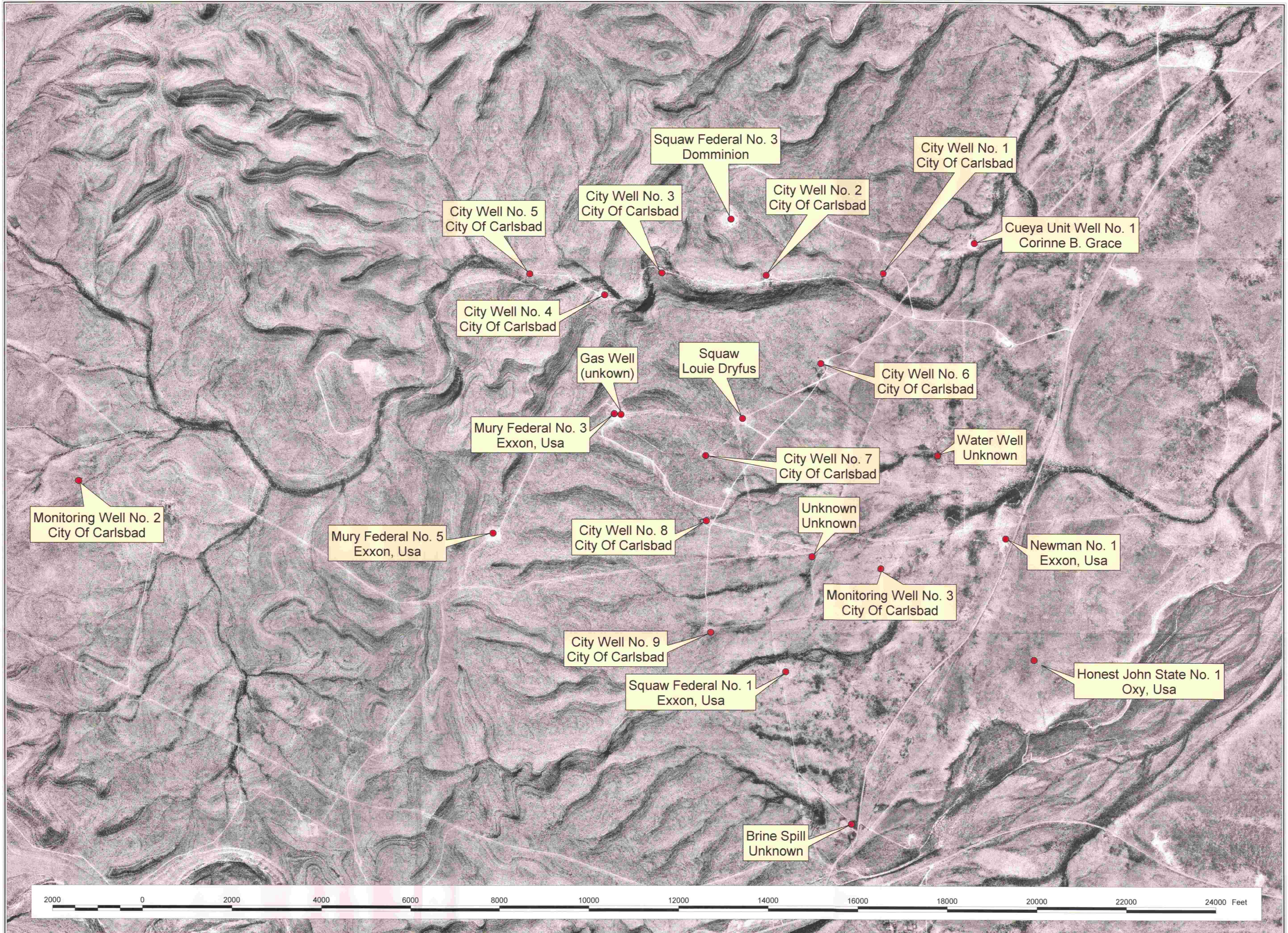
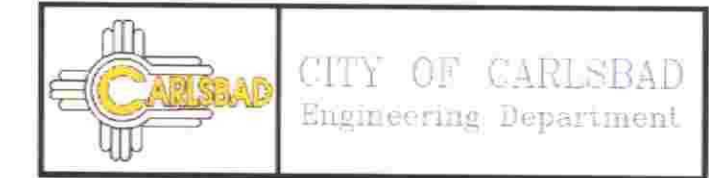
2nd hole hit Perched brine at 98'
6" Surface Casing +1.5' to 120

FIGURE 6

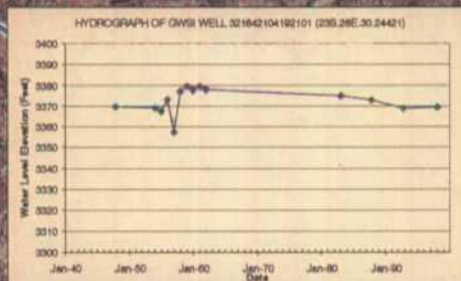
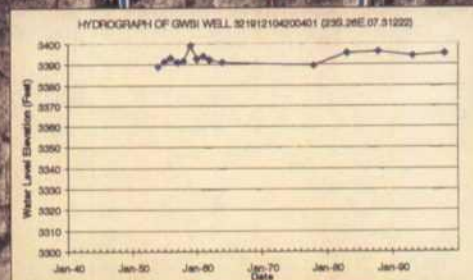


SHEEP DRAW WELLFIELD

Carlsbad, New Mexico



- City of Carlsbad Wells
- ✦ Contour Control Points (USGS GWSI and BGW Field Data)
- Shallow Water Level Contours (feet)



12/14/2001 GPS Data

0 1,000 2,000 3,000 4,000 5,000 Feet



1:24,000
MAP PROJECTION: UTM ZONE 13N, NAD83

CARLSBAD / WELLFIELD PLANNING

CITY OF CARLSBAD MW-3
LOCALITY MAP

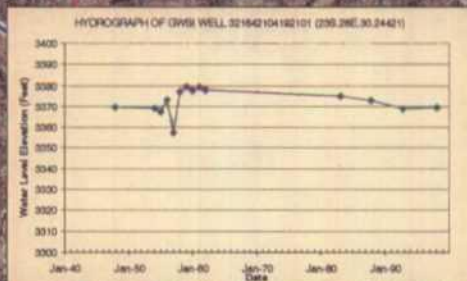
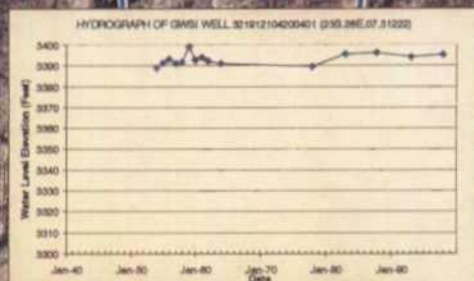
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12/20/2001
PRODUCED BY:
SES
CHECKED BY:
RW
FILE NAME:
LOCALITY.MXD

FIGURE 1



BALLEAU GROUNDWATER, INC.

- City of Carlsbad Wells
- ✦ Contour Control Points (USGS GWSI and BGW Field Data)
- Shallow Water Level Contours (feet)



0 1,000 2,000 3,000 4,000 5,000 Feet



1:24,000

MAP PROJECTION: UTM ZONE 13N, NAD83

CARLSBAD / WELLFIELD PLANNING

CITY OF CARLSBAD MW-3
LOCALITY MAP

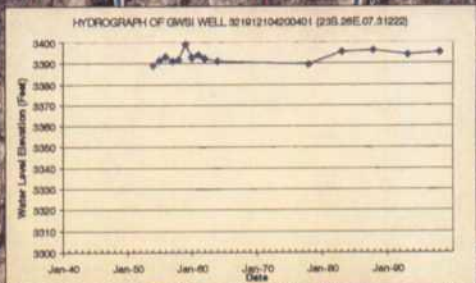
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FIGURE 1

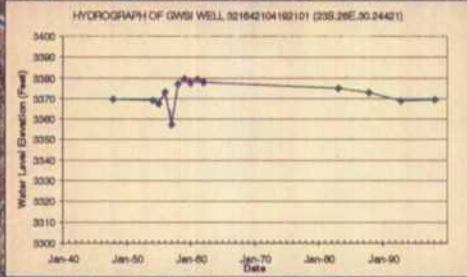


BALLEAU GROUNDWATER, INC.

- City of Carlsbad Wells
- ✦ Contour Control Points (USGS GWSI and BGW Field Data)
- Shallow Water Level Contours (feet)



12/14/2001 GPS Data



0 1,000 2,000 3,000 4,000 5,000 Feet

1:24,000

MAP PROJECTION: UTM ZONE 13N, NAD83

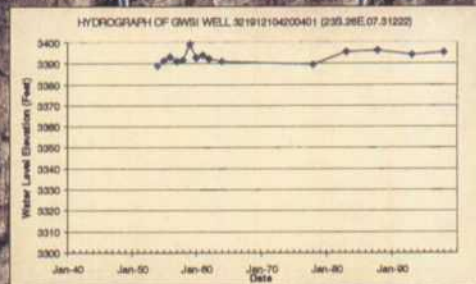
CARLSBAD / WELLFIELD PLANNING

CITY OF CARLSBAD MW-3
LOCALITY MAP

FIGURE 1



- City of Carlsbad Wells
- ✦ Contour Control Points (USGS GWSI and BGW Field Data)
- Shallow Water Level Contours (feet)



12/14/2001 GPS Data

0 1,000 2,000 3,000 4,000 5,000 Feet



1:24,000
MAP PROJECTION: UTM ZONE 13N, NAD83

CARLSBAD / WELLFIELD PLANNING

CITY OF CARLSBAD MW-3
LOCALITY MAP

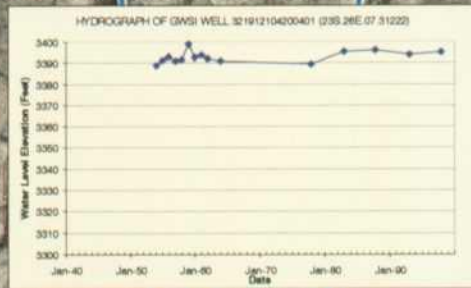
FIGURE 1



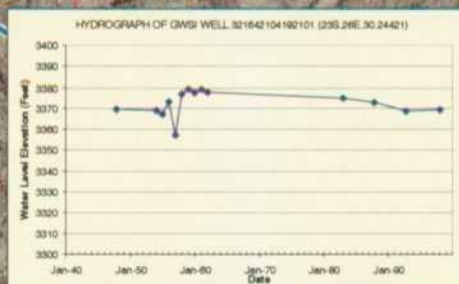
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12/20/2001
PRODUCED BY:
SES
CHECKED BY:
RW
FILE NAME:
LOCALITY.MXD

BALLEAU GROUNDWATER, INC.

- City of Carlsbad Wells
- ✦ Contour Control Points (USGS GWSI and BGW Field Data)
- Shallow Water Level Contours (feet)



12/14/2001 GPS Data



0 1,000 2,000 3,000 4,000 5,000 Feet



1:24,000
MAP PROJECTION: UTM ZONE 13N, NAD83

CARLSBAD / WELLFIELD PLANNING

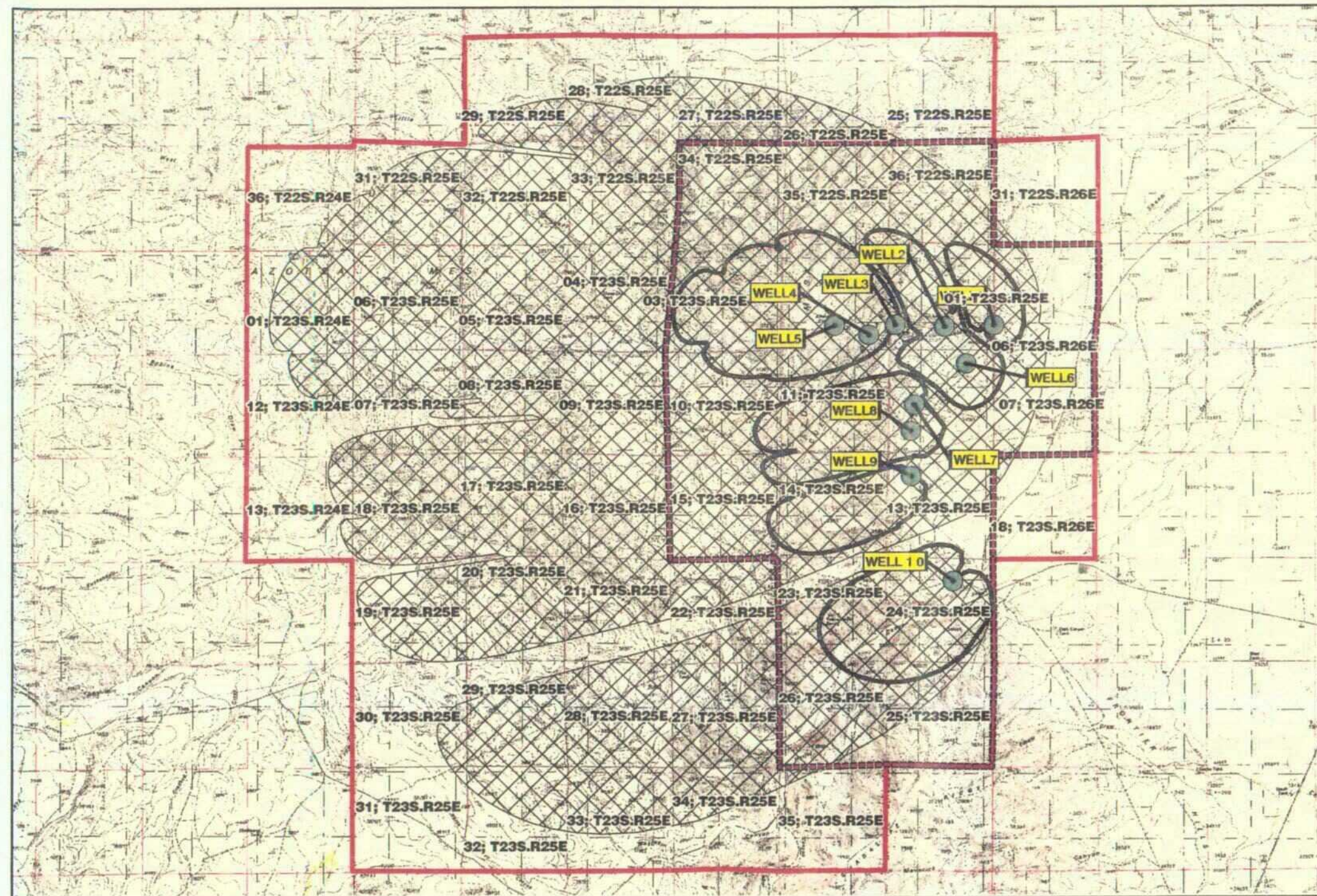
CITY OF CARLSBAD MW-3 LOCALITY MAP

FIGURE 1



DATE:
12/20/2001
PRODUCED BY:
SES
CHECKED BY:
RW
FILE NAME:
LOCALITY.MXD

CITY OF CARLSBAD SHEEP DRAW WELLFIELD WELLHEAD PROTECTION AREAS



2 YEAR PROTECTION AREA

Critical Impact Area

10 YEAR PROTECTION AREA

Significant Impact Area

SHEEP DRAW WELLFIELD WELLHEAD PROTECTION AREA

TOWNSHIP	RANGE	SECTION
T22S	R25E	36
T22S	R25E	35
T22S	R25E	34
T23S	R25E	2
T23S	R25E	1
T23S	R26E	6
T23S	R26E	3
T23S	R26E	7
T23S	R25E	11
T23S	R25E	12
T23S	R25E	10
T23S	R25E	14
T23S	R25E	13
T23S	R25E	15
T23S	R25E	23
T23S	R25E	24
T23S	R25E	26
T23S	R25E	25
T22S	R24E	36
T22S	R25E	25
T22S	R25E	26
T22S	R25E	27
T22S	R25E	28
T22S	R25E	29
T22S	R25E	31
T22S	R25E	32
T22S	R25E	33
T22S	R25E	34
T22S	R25E	35
T22S	R25E	36
T22S	R26E	31
T23S	R24E	1
T23S	R24E	12
T23S	R24E	13
T23S	R25E	1
T23S	R25E	2
T23S	R25E	3
T23S	R25E	4
T23S	R25E	5
T23S	R25E	6
T23S	R25E	7
T23S	R25E	8
T23S	R25E	9
T23S	R25E	10
T23S	R25E	11
T23S	R25E	12
T23S	R25E	13
T23S	R25E	14
T23S	R25E	15
T23S	R25E	16
T23S	R25E	17
T23S	R25E	18
T23S	R25E	19
T23S	R25E	20
T23S	R25E	21
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T23S	R25E	29
T23S	R25E	30
T23S	R25E	31
T23S	R25E	32
T23S	R25E	33
T23S	R25E	34
T23S	R25E	35
T23S	R26E	6

0 0.5 1 2
Miles



PROJECTION: NEW MEXICO
STATEPLANE EAST ZONE, NAD27

DATA SOURCE: USGS 1:24,000 DRGS, "WHPA VERSION 2.2",
1993, HYDROLOGIC, INC., DEVELOPED FOR
THE USEPA OFFICE OF GROUNDWATER PROTECTION.

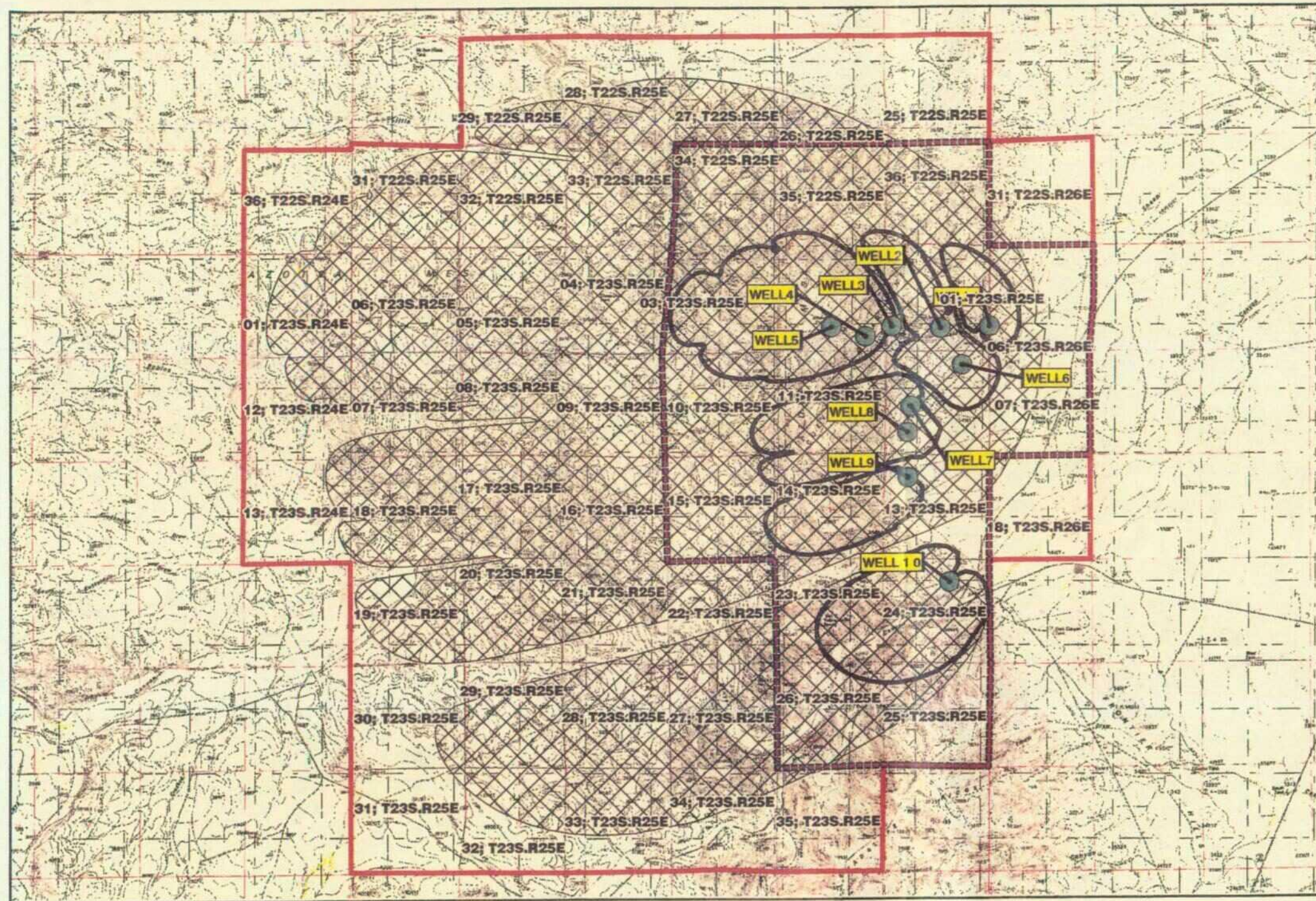
BALLEAU GROUNDWATER, INC.

Legend

- 2 YEAR WELLHEAD PROTECTION AREA BOUNDARY
- 2 YEAR WELL CAPTURE ZONE
- 10 YEAR WELLHEAD PROTECTION AREA BOUNDARY
- 10 YEAR WELL CAPTURE ZONE

FIGURE 8

CITY OF CARLSBAD SHEEP DRAW WELLFIELD WELLHEAD PROTECTION AREAS



Legend	
	2 YEAR WELLHEAD PROTECTION AREA BOUNDARY
	2 YEAR WELL CAPTURE ZONE
	10 YEAR WELLHEAD PROTECTION AREA BOUNDARY
	10 YEAR WELL CAPTURE ZONE

FIGURE 8

SHEEP DRAW WELLFIELD WELLHEAD PROTECTION AREA

	TOWNSHIP	RANGE	SECTION
2 YEAR PROTECTION AREA	T22S	R25E	36
	T22S	R25E	35
	T22S	R25E	34
	T23S	R25E	2
	T23S	R25E	1
	T23S	R25E	6
	T23S	R25E	3
	T23S	R25E	7
	T23S	R25E	11
	T23S	R25E	12
Critical Impact Area	T23S	R25E	10
	T23S	R25E	14
	T23S	R25E	13
	T23S	R25E	15
	T23S	R25E	23
	T23S	R25E	24
	T23S	R25E	26
	T23S	R25E	25
	T22S	R24E	36
	T22S	R25E	25
10 YEAR PROTECTION AREA	T22S	R25E	26
	T22S	R25E	27
	T22S	R25E	28
	T22S	R25E	29
	T22S	R25E	31
	T22S	R25E	32
	T22S	R25E	33
	T22S	R25E	34
	T22S	R25E	35
	T22S	R25E	36
Significant Impact Area	T22S	R26E	31
	T23S	R24E	1
	T23S	R24E	12
	T23S	R24E	13
	T23S	R25E	1
	T23S	R25E	2
	T23S	R25E	3
	T23S	R25E	4
	T23S	R25E	5
	T23S	R25E	6
	T23S	R25E	7
	T23S	R25E	8
	T23S	R25E	9
	T23S	R25E	10
	T23S	R25E	11
	T23S	R25E	12
	T23S	R25E	13
	T23S	R25E	14
	T23S	R25E	15
	T23S	R25E	16
	T23S	R25E	17
	T23S	R25E	18
	T23S	R25E	19
	T23S	R25E	20
	T23S	R25E	21
	T23S	R25E	22
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	T23S	R25E	30
	T23S	R25E	31
	T23S	R25E	32
	T23S	R25E	33
	T23S	R25E	34
	T23S	R25E	35
	T23S	R26E	6

0 0.5 1 2 Miles



PROJECTION: NEW MEXICO STATEPLANE EAST ZONE, NAD27

DATA SOURCE: USGS 1:24,000 DRGS, "WHPA VERSION 2.2", 1993, HYDROLOGIC, INC., DEVELOPED FOR THE USEPA OFFICE OF GROUNDWATER PROTECTION.

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