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# REPORTS DATE:

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## **FAX COVER SHEET**

1301 W. GRAND AVE ARTESIA, NM 88210	FAX (505-748-9720) Date 9/24/7007.
TO: Willy Olson 476-3462. FROM: Mike Stubble Field	
FROM: Mike Stubble field	
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.

### To be determined

- 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
  - artesian and fresh water zones (including zones of non-drinkable water having total dissolved solids concentrations of 10,000 mg/l or less).
- Casing to be pulled and depth of casing shoes.
- 4. Formation tops.
- 5. Hole use and age (production, disposal, injection, drilling well, etc.).
- Always place cement play & Tap of cement on casing Requirements for old holes O liner top on rasing.
  - 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.
    - Bottom plugs
    - Plugs at casing shoe or cut-off point... (4)
    - Other isolation plugs if the hole does not stand full.
  - T. Salt 3. Mud to be used
    - 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.
  - Plugs to be set
    - A bottom plug across or above pay.
    - Above and below casing cut points (even if casing is not recovered). **(b)**
    - To isolate other oil, gas, or water zones exposed in the hole. (c)
    - (A) Across casing shoes.
    - (e) Minimum surface plug of 10 sacks.
    - (f) Above and below artesian water zones.
    - 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.
  - In unusual cases such as for a well having a water flow, isolation plugs will be tagged.
- Mud to be used.
  - 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 zoou' between coment Plugs in Open hale.
- MAK. 3000 between coment Plus 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 PRODLEMS 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.

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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 OLIAL ITY OF THE WATER REPORT DID NOT GIVE THE OLIAL ITY OF THE OLIAL ITY O

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.

Devito 3

THE DEVITO WELL #1 LOCATED 330' FSL 1650' FEL-12-23s-25e WHICH IS THE CLOSES 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 IMPLMENT OF TODAYS 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' MUDDED 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 REPLACE 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

OPERATIONS.

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 READYMIXED TO SURFACE FORM 270' USING 14 YDS READYMIX. 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

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'.

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.

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.

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.&  $2^{\rm nd}$  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 REQULATION 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 SQEEZE. 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/ 1<sup>st</sup> STAGE 1800 SX CL. H. CEMENT & 2<sup>nd</sup> 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

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'.

3300'.

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' WTH 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!

TE: 12/37		-u ca				_
	476-3			. /		
ATTENTIO	N: WILL	Olson	/	للع	P (6)	
FROM:	mike st	ubble Field	\	لات	2	71
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CONSERVATION	NOIZIVIQ NO					
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OU HAVE AN	y problems w jes. Please ca	7TH THIS TRA ALL 505-748-12	NSMISSION 13.	OR IF Y	DO NO	χr
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YOU HAVE AN CEIVE ALL PAG K NUMBER: (5	y problems w jes. Please ca	TTH THIS TRA	NSMISSION 13.	OR IF Y	OU DO NO	or 

HAVE A GREAT DAY!



PHONE (915) 678-7001 . 2111 BEECHWOOD . ABILENE, TX 78608

PHONE (605) 983-2326 . 101 E. MARLAND . HOBBS, NM 88240

ANALYTICAL RESULTS FOR CITY OF CARLSBAD P.O. BOX 1569 CARLSBAD, NM 88220 FAX TO; (505) 885-0386

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: GROUNDV

Sample Type: GROUNDWATER Sample Condition: COOL & INTACT

Sample Received By: BC

Analyzed By: BC

BENZENE TOLUENE BENZENE XYLENES
LAB NUMBER SAMPLE ID (mg/L) (mg/L) (mg/L)

ANALYSIS DATE 12/20/01 12/20/01 12/20/01

ANALYSIS DATE	12/20/01	12/20/01	12/20/01	12/20/01
h6363-1 MONITOR WELL	0.005	0.005	<0.002	<0.008
		<u> </u>		<del> </del>
,	·			<del> </del>
		<del> </del>	<u> </u>	<del></del>
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 tenatively identified:

Diethyl sulfide, Methyl ethyl sulfide, Acatone, Methoxypropene.

Chamist HAT Reache

Date

Date

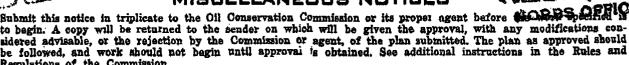
OLD COLUMN	VATION CO	MMISSION.	RLSBAD, N. B	<b>3</b> .08	Date	
Gentlemen: You are			ntion to commence		a well to be known a	
	· ··· · · · · · · · · · · · · · · · ·	RAMUZ Company or Oper	itor Lease	We	ll No. 1 in	
of Sec. 18	, <u>r. 23</u>	S R 26B N.	M. P. M., Dark	Canyon	Field, Eddy	Cc
Đ	Ŋ.	The well is_	DOU I'V	f.] [S.] of the.	North line and	1980 1
* 1		[18.] [\displaystarter]	of the West	ine of Sec 1	8 Twp. 23 S	Rnge.
		I I			ion lines. Crossout wr	
		If state land	the oil and gas leas		Assignment No	)
		- If patented l	and the owner is_	Ramuz , C	arlabad. N. M	
		Address				
		If governmen	it land the permitte	e to		
		Address		•		
		The lessee is	D. C. DeV	Lto		
					lend, Texas	
ARRA	640 ACRES	www. We propose	to drill well with	drilling equipmen	at as follows:	
LOCATE W						
					1	
Mo	del Sup	er D Forth *			1	
Mo The status of	del Sup	er D Forth w	ce with Rule 39 of	the General Rule	s and Regulations of	the Comm
The status of is as follows	del Sup a bond for the	er D Forth work well in conformant ld for America	ce with Rule 89 of San Emp. Ins	the General Rule	s and Regulations of	the Comm
The status of is as follows	del Sup a bond for the	er D Forth w	ce with Rule 89 of San Emp. Ins	the General Rule	s and Regulations of	•
The status of is as follows	del Sup a bond for the	er D Forth work well in conformant ld for America	ce with Rule 89 of San Emp. Ins	the General Rule	s and Regulations of	Sac Cem
The status of is as follows We propose to Size of Hole	del Sup a bond for the Amp o use the foll Size of Casing	er D Forth weight for Americal cowing strings of cas	ce with Rule 89 of 3 AR Emp. Ins ing and to land or New or	the General Rule	s and Regulations of indicated:	Sac
The status of is as follows We propose to	del Sup a bond for the Affin o use the foll	er D Forth world well in conformanted for Americal cowing strings of cas	ce with Rule 89 of 3 AR Emp. Ins ing and to land or New or	the General Rule  CO .  cement them as 1  Depth	s and Regulations of indicated:	Sac Cess
The status of is as follows We propose to Size of Hole	del Sup a bond for the Amp o use the foll Size of Casing	er D Forth weight for Americal cowing strings of cas	ce with Rule 39 of CAR Emp. Ins ing and to land or New or Second Hand	the General Rule  CO .  cement them as 1  Depth	indicated:  Landed or Comented	Sac Cent

Approved	WAY S T I	<del></del>	Si
except as follows:			2,2
			В

OIL CONSER	VATION COMMISSION.
Title O	WA GAS INSPECTOR

Sincerely yours,	
E. Paul Moran	
E. Paul Moran E Paul Moran	
Company or Operator	
By Self.	
Position Owner	
Send communication regarding well to	
Name E. Prul Marin B.O.E.	409
Address Cyrlabath N. M.	:

NEW MEXICO OIL CONSERVATION COMMISSION



MISCELLA	NEGUS N	OTICES		
Submit this notice in triplicate to the Oil Conservate begin. A copy will be returned to the sender or sidered advisable, or the rejection by the Commissible followed, and work should not begin until appreciations of the Commission.	ion or agent, of provai is obtained	the plan submitted. I. See additional ins	The plan as app	roved should
	of notice by the			
NOTICE OF INTENTION TO TEST CASING SHUT-OFF	X C	CE OF INTENTION HEMICALLY TREA	T WELL	
NOTICE OF INTENTION TO CHANGE PLANS		DE OF INTENTION THERWISE ALTER		
NOTICE OF INTENTION TO REPAIR WELL	NOTIC	E OF INTENTION	TO PLUG WE	LI
NOTICE OF INTENTION TO DEEPEN WELL				
Cax	lsbad, New	Mexico. Jul	y 7 1940	
		lace	1	Date
Gentlemen:  Following is a notice of intention to do certain wor.  F. Paul Moran.  Ramo  Company of Operator  Lease		low at theWell No		DRŁYW <u>Ł</u>
1 Sec. 18 T. 23 south R-26 es	N. M. P.	M, Wildost	<u> </u>	Field,
FULL DETAILS OF FOLLOW INSTRUCTIONS IN THE E	CULES AND REC	ULATIONS OF TH	e commission	
cementing job, onwith Tue	sday, July	9th. Will	drill come	mt
plug on friday, July 12th	, and tes	t for shut-o	ff.	
Estimated to use	14 sacks of	f coment.		
		,		
		·		

JUL 1 2 1940

Approved	E. Paul Moran,
except as follows:	Company or Operator
,	By E. Saul Moran
in prince	Position
•	Send communications regarding well to
OIL_CONSERVATION COMMISSION, A	Name R.Paul Moran
By Roy youlunully	Address Carlebad, New Mexico.
Title Q QIL & GAS INESPOTOR	

TIPLICAT LEW	)  MEXICO OIL CONSERVATION COMMISSION Sauta Fe, New Mexico  MISCELLANEOUS REPORTS ON WELL
Cubuch this nament in twintings to	the Oil Conservation Commission at its proper see

perations need not be signed and aworn to beforegulations of the Commission.		
Indicate natu	ure of report by checking below:	
REPORT ON BEGINNING DRILLING OFERATIONS	REPORT ON REPAIRING WELL	
EPORT ON RESULT OF SHOOTING OR CHEMICAL TRNATMENT OF WELL	REPORT ON FULLING OR OTHERWISE ALTERING CASING	
REPORT ON RESULT OF TEST OF CASING SHUT-OFF	EEPORT ON DEEPENING WELL	
REPORT ON RESULT OF PLUGGING OF WELL		
Carlaba	A New Merico Angust 1	1940
OIL CONSERVATION COMMISSION tanta Fe, New Mexico. Sentlemen:	Place Day	•
	results obtained under the heading noted above a	t the
E. Paul Moran	Ramuz Well No. 1	in the
Company or Operator		, N. M. P. M.,
	Eddy	
otice of intention to do the work was the proposed plan was the pr	WORK DONE AND RESULTS OBTAINED of water came in per hour. pr	940 <sup>19</sup> epared well
otice of intention to do the work was granted and approval of the proposed plan was cracked DETAILED ACCOUNT OF Ster drilling plug, 2 bailers or Ralliburton to test for ah at the casing head and declared a is what water was absorbed	submitted on Form C-102 on	940 19 epared well lbs.pressy Water comix
Notice of intantion to do the work was the proposed plan was CHERKED ACCOUNT OF After drilling plug, 2 bailers for Halliburton to test for shift the casing head and declare in is what water was absorbed water exhausting.  D. C. De Vito	submitted on Form C-102 on	opared well lbs.pressu Water comin iling and
Notice of intantion to do the work was the proposed plan was the casing plug, 2 bailers for an it the casing head and declare in is what water was absorbed that exhausting.  D. C. De Vite	submitted on Form C-102 on	epared well lbs.pressu later comin iling and
Notice of intention to do the work was constrained approval of the proposed plan was constrained approval of the proposed plan was constrained and color of the casing head and declare in it what water was absorbed water exhausting.  D. C. De Vite Name	work done And results obtained. (Cross out incorrect words.)  WORK DONE AND RESULTS OBTAINED  of water came in per hour, pr  ut off. Halliburton placed 600  d it to be a perfect shutoff.  by the open formation. Now oa  Independent  Company  I hereby swear or affirm that the shove is true and correct.  Name E aul Ma	epared well lbs.pressy sater comin lling and
Notice of intention to do the work was interested approval of the proposed plan was CENERAL DETAILED ACCOUNT OF After drilling plug, 2 bailers for Halliburton to test for shit the casing head and declare in is what water was absorbed rater exhausting.  D. C. De Vito Name  Subscribed and sworn to before me this	submitted on Form C-102 on	epared well lbs.pressy ater comin lling and  Title
Notice of intantion to do the work was constrained approval of the proposed plan was Constrained approval of the proposed plan was Constrained and plug, 2 bailers for Halliburton to test for shift the casing head and declared is what water was absorbed water exhausting.  D. C. De Vito Name  Subscribed and sworn to before me this land day of the proposed plan was absorbed and sworn to before me this land day of the proposed plan was considered and sworn to before me this land day of the proposed plan was considered and sworn to before me this land day of the proposed plan was constrained and sworn to before me this land day of the proposed plan was constrained and sworn to before me this land day of the proposed plan was constrained and sworn to before me this land day of the proposed plan was constrained plan was constrained and sworn to before me this land day of the proposed plan was constrained plan was constrained and declared plan was absorbed with the proposed plan was constrained plan was constrained and declared plan was absorbed with the proposed plan was constrained plan was	submitted on Form C-102 on	epared well lbs.pressu Vater comin lling and

LILLE CAS INSPECTOR

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Form_Q1021 (1) 17 AT	13 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
NEW MEXICO OIL CONS	ERVATION COMMISSION
1 18	DUS NOTICES
· • • • • • • • • • • • • • • • • • • •	
to begin. A copy will be returned to the sender on which sidered advisable, or the rejection by the Commission or be followed, and work should not begin until approval Regulations of the Commission.	be obtained. See additional instructions in the Rules and
	NOTICE OF INTENTION TO SHOOT OR
NOTICE OF INTENTION TO TEST CASING SHUT-OFF	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 DEEPEN WELL	NOTICE OF INTENTION TO PLUG WELL
Ca_lshad,	New Maxico August 9-1840 Dute
OIL CONSERVATION COMMISSION, Santa Fe, New Mexico.	
Gentlemen:	
Following is a notice of intention to do certain work as d  E Paul Moran #1 Ram:  Company or Operator Lease	leseribed below at the
of Sec. 18 , T. 23 S , R. 26 E	, N. M. P. M., Wildost Field,
FULL DETAILS OF PROFOLLOW INSTRUCTIONS IN THE RULES	OPOSED PLAN OF WORK  AND REGULATIONS OF THE COMMISSION
hole. We are comenting this leave in the hole between 20 ran to shut off water encounts pulled willfill hole with coment with 10 sacks of came there may be above, then will	and came up approximately 1500° in the water with 10 sacks of cement. Will 30 and 250° of cemented pipe which we stered at 1565°. After balance of pipe mud up to 2508 from the surface and ant to protect whatever surface waters and hole up to near the surface and alation 4° pipe as marker for this well
Approved as follows:  OIL CONSERVATION COMMISSION,	By  Position  Send communications regarding well to
By Roy yarkrough	Address



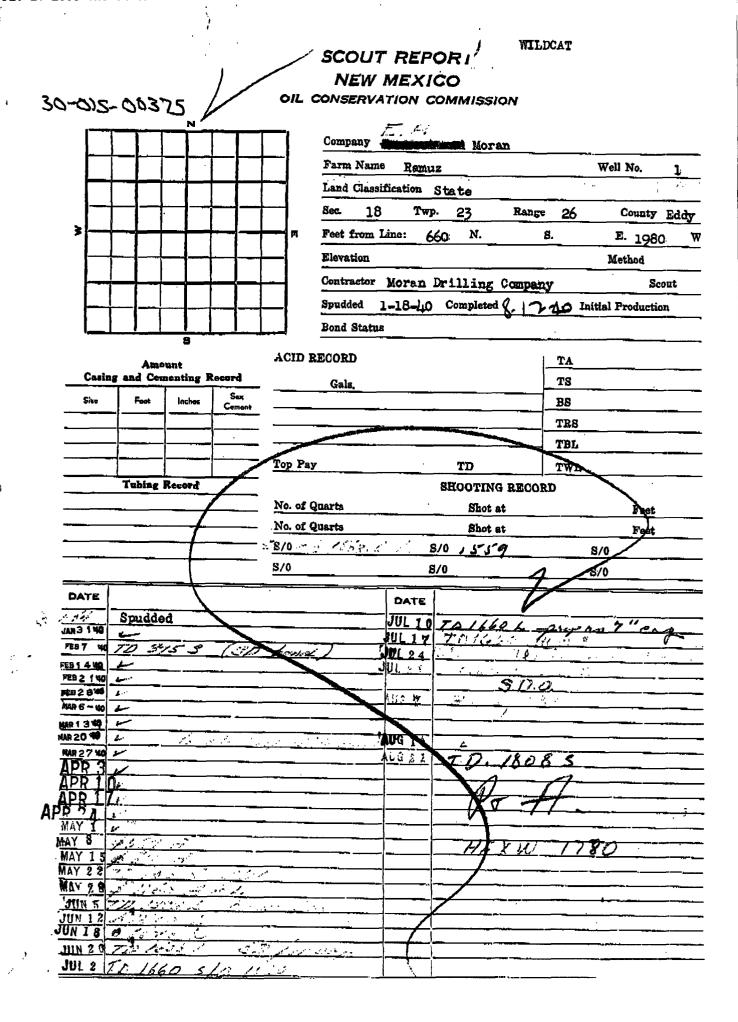
## NEW MEXICO OIL CONSERVATION COMMISSION Santa Fe, New Mexico

## 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 sworm to before a notary public for remote on become

drilling operations, results of shooting well, results	of test of casing shut-offs, result of plugging of well, and as witnessed by an agent of the commission. Reports on minor a notary public. See additional instructions in the Rules and
Indicate nature o	f 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
OIL CONSERVATION COMMISSION Santa Fe, New Mexico. Gentlemen:	thad, New Kexico Nov 7 1940  Place Nov 7 1940  Its obtained under the heading noted above at the
	Ramiz
Company or Operator	<b>1</b> 662 <b>4</b>
	T. 23 south, R. 26 east., N. M. P. M.,
The detect of this work were se follows: Assets	et 10-15th., Nov.5-6th., 1940
DETAILED ACCOUNT OF WC Cemented bottom water at 180 of 7 inch which was cemented Filled hole with mud up to 2 with 10 sacks of cement in c Left 100 feet of 82 inch sur placed a cement cap with reg	ORK DONE AND RESULTS OBTAINED  OB feet with 10 sacks. Left 235 feets!  I to shut off water encountered at 1563.  25 feet from the surface and cemented order to protect any surface waters.
Subscribed and sworn to before me this 12.  day of 1940  Notary Enblic  My Commission expires	I hereby swear or affirm that the information given above is true and correct.  Name  Position  Representing  Campany or Operator  Address  Carlabad, New Maxico.
Remarks:	R.O. Yastransk &

OIL GAS INSPECTOR



2 2			TRANSACTION REPORT		_	DEC-27-2001	P. 0	-
	FOR:							
R	ECEIVE							
DATE	START	SENDER	RX TIME	PAGES	TYPE	NOTE	M#	DF
DEC-2	7 03:50 PM	15057489720	3′ 07″	8	RECEIVE	OK		

## **FAX COVER SHEET**

OIL CONSERVATION DIVISON 1301 W. GRAND AVE	PHONE (505-748-1283 FAX (505-748-9720
ARTESIA, NM 88210	Date 6/19/2002
TO: William Olson 476-3462.	_
FROM: mike Stubblefield	_
NUMBER OF PAGES3	_(INCLUDING COVER SHEET)
MESSAGE Tunger + De Vito De Vito # 1	Into,

				TRANS	ACT I OI	N REPORT	_	11 IN_10_200	P.01 P.08:30 4
FOR: OCD DISTRICT II			15057489720		- JUN-19-2002 WEL		_ 1125 00.00 1		
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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.

# 3 1

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	ing trian			<u>.</u>	, 19.	lo la	itial pro	duction	Lone		Tarre to the state of the state	
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Abas Garie	adoquec	d abor	ved  **  **  **  **  **  **  **  **  **		5 19.	Name  L STA	meity A itial R. Pr	P. L.	Depti	Oct.	Nov	Dec
Abas Garie	adoquec	d abor	ved  **  **  **  **  **  **  **  **  **		5 19.	Name  L STA	meity A itial R. Pr	P. L.	Depti	Oct.	Nov	Dec
Abas Garie	adoquec	d abor	ved  **  **  **  **  **  **  **  **  **		5 19.	Name  L STA	meity A itial R. Pr	P. L.	Depti	Oct.	Nov	Dec
Abas Garie	adoquec	d abor	ved  **  **  **  **  **  **  **  **  **		5 19.	Name  L STA	meity A itial R. Pr	P. L.	Depti	Oct.	Nov	Dec

Coderini to

Graphica (20) (C Graphical (20) (C Graphical (20) (C

Adapters Material.

## FORMATION RECORD

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## **FAX COVER SHEET**

OIL CONSERVATION DIVISON	PHONE (505-748-1283
1301 W. GRAND AVE	FAX (505-748-9720
ARTESIA, NM 88210	
	Date 6/19/2002
TO: William Olson 476-3462.	· · · · · · ·
FROM: mike Stobblefield	
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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 503-748-1283.
PAX NUMBER: (505) 748-9720

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## SCOUT REPORT

OIL CONSERVATION COMMISSION

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#### 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 #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.

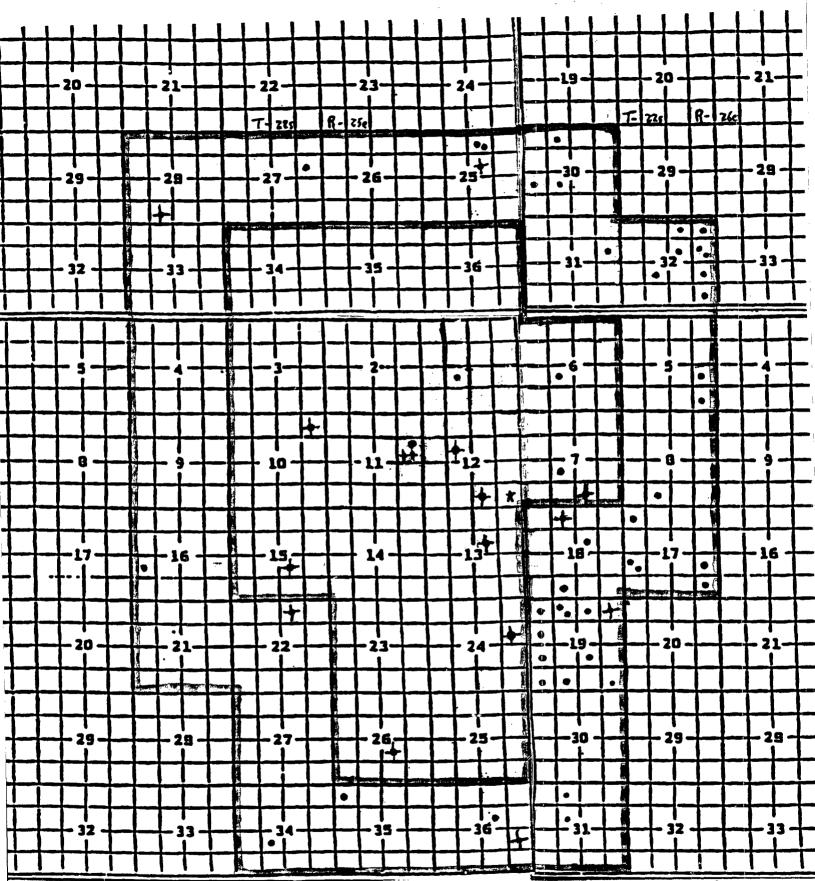
30-015-25135 H-24-23s-25e EXXON CORP. MARY FED. #4 P&A

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- A-26e

Torm 3160-5

16.

Form approved.	
Budget Bureau No.	1004-013
Expires August 31,	1985

November 1983) Formerly 9-331)	DEPARTMENT OF THE BUREAU OF LAND MAN	INTERIOR TOTAL	instructions on re- ide)	5. LEASE DESIGNATION NM	AND SERIAL NO.
SUND (Do not use this fo	RY NOTICES AND REF	PORTS ON WELL en or plug back to a differ for such proposals.)	LS reservoir.	6. IF INDIAN, ALLOTTES	OR TRIBE NAME
OIL GAS K	OTHER	nct -	<b>1</b> 1985	7. UNIT AGREEMENT NA	_ <del>_</del>
Exxon Corpor	ation	0.0	D.	8. FARM OR LEASE NAM Squaw Federa	_
P. O. Box 16	00, Midland, TX 797	702 ARTESIA	Line and the second sec	9. WELL NO.	,
LOCATION OF WELL (Rep See also space 17 below At surface	ort location clearly and in accordance.)	ce with any State requires	ments.*	10. FIELD AND POOL, OF Undes. Sheep Morrow Gas	Draw-
2479' FSL &	1880' FWL of Sec. (N	SW)		Sec. 1, T23S	
4. PERMIT NO.	3695 GR	whether DF, BT, GR, etc.)		12. COUNTY OF PARISE Eddy	13. STATE NM

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

NOTICE OF INTENTION TO:			SUBSEQUENT REPORT OF:			
r						
TEST WATER BRUT-OFF		PULL OR ALTER CASING		WATER SHUT-OFF REPAIRING WELL		
PRACTURE TREAT		MULTIPLE COMPLETE		PRACTURE TREATMENT ALTEBING CASING _		
SHOOT OR ACIDIZE		ABANDON*		BEOOTING OR ACIDIZING ABANDONMENT		
REPAIR WELL		CHANGE PLANS		(Other) Spud/Casing Report	Х.	
(Other)				(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 gones pertinent to this work.) \*

Spud 26" hole on 9-14-85. Ran 20", 94# conductor pipe to 85'. Cemented w/250 sx C1C 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. 13-3/8", 54.5# K55 STC at 1510'. Preflushed w/100 sx. C1C. 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 C1C. Pulled tbg. & WOC. Ran l" 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 C1C. Pulled tbg. & WOC. Ran 1" tbg. Tagged at 610'. Pumped 4 yards pea gravel and 100 sx C1C. 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 C1C. Pull tbg. & WOC. Ran I" tbg. Tagged at 60'. Pumped 75 sx C1C - 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 brue and corre			<b>DATE</b> 9-19-85
(This space for Federal or State office use)  APPROVED BY	TITLE	= Janes	DATE
CONDITIONS OF APPROVAL, IF ANY:			

\*See Instructions on Reverse Sic

Operator	Enron Oil +	GAS Co.			
Well	ROCK TANK	10 57. #1			
		Township	735	Range	75e
API # 30	)015	23106			

TOPS
Yates
T. Salt
B. Salt
Glorieta
Bone Sp. 4735'
Abo
Wolfcamp 8403'
Morrow
Devonian
Fusselman
Other T. Delavare 2492!

133/2" 54.5 th set > 412'.
w/ 450 sx cement. Circ.

9 1/8" 36 " esg set 2 2500'. W/1200 sps cement. Circ.

Well was Plussed 12/3/1980'

Horrow Perts - 10,289'-96',

Morrow Perts - 11,099'- 133'.

4'/2" 11.6" csg > 11,562'.

w (850 sxs cenent

Operator	Minerals Tech. Inc.	
Well	Mary Fed. #1	.*
Unit H	Section 11 Township 235	Range 25e
API # 30	-0	•

TOPS
Yates
T. Salt
B. Salt
Glorieta
Bone Sp. 4952'
Abo
Wolfcamp 8542'
Morrow 10710'
Devonian
Fusselman
Other 1. Delawacc - 2300'

16" Conductor Casing set 2 100: Circ w/ 1501xs commt.

95/8" 37.30# casing sct > 2430" w/1000sts cement. T.o.c. 600;

Mell was spud a Drilled 1/20/1973.
Well Tood 11,570: Plussed a Bban. 3/1/1973.
8/4/1973 well Drilled out.
5/2" casing set o 11,570.

Perts - 10268'-92' - Perts - 11367'-

\*See Instance ins on Reverse Side

14 yards Ready Mix, circ., completed @ 26-73.

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

State or Federal office for specific instructions. eral 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 locai, area, General: This form is designed for submitting proposals to perform certain well operations, and reports of such operations when completed, as indicated, on

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 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.

If on If: Proposals to dention a will get analyse part specific of the characters doubt linching such a special information as it required by local Federal analyse. State offices, find contents and reaches and imports a bond incident conservations and propries of a present principal reaches, and contents and sealed of the greatest or otherwise; depths (up and bottom) and another of placement of centeral place; much or other mittering of any senting, liner or tubing, partled and the depth to top of any left in the hote; method of characters and another of the depth to top of any left in the hote; method of characters and along the property of the dentionment.

\*\*Commonwertermine centers are considered as the constraints of the

 Operator
 Εκκορ Green
 Εκκορ Green

Yates
T. Salt
B. Salt
Glorie:a
Bone Sp.
Abo
Wolfcamp
Morrow
Devonian
Fusselman
Other

85/8" 24# (5 sct 0 1432', w/836185 coments 1" to Surface, w/3000x.

Well was spudded + Drilled " \$ /14/1984, well flugged 8/19/1984. TD. + 1750.

Formerly 9-331) DEPARTM	IF OF THE INTE	y	5. LEASE DESIGNATION NM-0426782	N AND SERIAL NO.
SUNDRY NOTION OF THE PROPERTY	CES AND REPORTS	ON WELLS  ig back to a different reservoir.	6. IF INDIAN, ALLOTT	EE OR TEIBE NAME
I. OIL GAS OTHER	P & A - Fish In Ho	KE CENTER OF	7. UNIT AGREEMENT	NYTH
2. NAME OF OPERATOR		SEP 24 1984	8. FARM OR LEASE NA	
Exxon Corporation		0. c. D.	Mary Feder	al
P. O. Box 1600, Midland	TY 79702	ARTESIA, OFFICE	3	
4. LOCATION OF WELL (Report location cle See also space 17 below.) At surface	ariy and in accordance with a	ny State requirements.*	Wildcat —	Delaune
1925' FNL and 810' FEL	of Section (SE/NE)	·	Sec. 11 -	A.
14. PERMIT NO.	15. ELEVATIONS (Show whether	DF, RT, GR, etc.)	12. COUNTY OF PARIS	H 18. STATE
30-015-24242	3738.4	'GR	Eddy	New Mexico
16. Check App	propriate Box To Indicate	Nature of Notice, Report, o	or Other Data	
NOTICE OF INTENT	ION TO:	808	SEQUENT REPORT OF:	
TEST WATER SHUT-OFF	CLL OR ALTER CASING	WATER SHUT-OFF	REPAIRING	WELL
PRACTURE TREAT	ULTIPLE COMPLETE	FRACTURE TREATMENT	ALTERING	CYBING
SHOOT OR ACIDIZE	BANDON*	SECOTING OR ACIDIZING	ABANDONMI	ENT*
REPAIR WELL CF	HANGE PLANS	(Other)	ults of multiple completion	on Well
17. DESCRIBE PROPOSED OR COMPLETED OPER. proposed work. If well is direction	ATIONS (Clearly state all pertin		ompletion Report and Log for ites, including estimated da	
8-14-84 Set 34 jts. 8 lite. Did no ClC. Circ. to to 1000 psi fo	ot circ. to surface osurface. WOC. 50 or 30 min. Held O	300 sx C1H and @ 1640	Cement w/ 300 sx out. Test casing	
fish. RU wir 1355. Rec. 2	eline. Fire two ra jts. TOF @ 1233. nd 0 - 50' w/ 40 sa	f drill pipe @ 1169 - attle shots @ 1355 - Milling. Set plug x ClC on 8-25-84. Wi	1453 and 1255 - @ 1183' - 1233'	r
18. : hereby certify that the foregoing in t		Unit Head	9-11	-84
	ipling TITLE_		DATE	
(This space for Federal or State office	(use)	AREA MARAGER CARLSBAD RECOUNCE ALEA	G	2,00
APPROVED BY CONDITIONS OF APPROVAL, IF AN	Y:	MAREGOND RECOGNEE MASH	DATE <u>9</u> -	31-17

4:

Formerly 9-331) DEPARTM	OF THE INTERIO	R verse side)	5. LEASE DESIGNATION NM-0426782	
· ————————————————————————————————————			6. IF INDIAN, ALLOT	
SUNDRY NOTI	CES AND REPORTS OF	WELLS  t to a different-reservoir.		
Use "APPLICA?	als to drill or to deepen or plug back FION FOR PERMIT—" for such prop	ocale.) PECEIVEL BY	j	·
1.			. UNIT AGREEMENT	NAME
OIL GAS WELL OTHER	P & A - Fish In Hole	255 24 1984	<u> </u>	
2. NAME OF OPERATOR		GE: 82 100.	8. FARM OR LEASE N	
Exxon Corporation /		0.00	Mary Feder	al
3. ADDRESS OF OPERATOR	1 my 70700	ARTESIA, OFFICE	3	
P. O. Box 1600, Midlar  4. LOCATION OF WELL (Report location cle	early and in accordance with any Str	te requirements.°	10. FIELD AND POOL,	OR WILDCAT
See also space 17 below.) At surface			Wildcat -	O ela mana
1925' FNL and 810' FEI	of Section (SE/NE)	•	11. SEC., T., B., M., O	BLE. AND
1925 FNL and 810 FEI	. Of Section (SE/NE)		SURVEY OR ARI	<b>i</b> ≜.
		·	11-23S-25E	
14. PERMIT NO.	15. BLEVATIONS (Show whether DF, RT	, GR, etc.)	12. COUNTY OR PARIS	H 13. STATE
30-015-24242	3738.4' GI	R	Eddy	New Mexico
16. Chark An	propriate Box To Indicate Nat	ura of Notice Papert or O	ther Data	
	•		ENT REPORT OF:	
NOTICE OF INTENT	ION TO:	80.2230	or and the	<del>[</del> ]
TEST WATER SHUT-OFF	CLL OR ALTER CASING	WATER SHUT-OFF	REPAIRING	WELL
FRACTURE TREAT	ULTIPLE COMPLETE	FRACTURE TREATMENT	ALTERING	- <del></del>
	BANDON®	SHOOTING OR ACIDIZING		ENT* X
	HANGE PLANS	(Other) (Note: Report results	of multiple completion	on Well
(Other)  17. DESCRIBE PROPUSED OR COMPLETED OPER	Arroys (Clearly state all pertinent d	Completion or Recomple		
1183 - 1233' 0 - 50' This well was plugged	w/ 40 sx ClC because of a fish cons ne rig was skidded 15'	sisting of 468' of d	ral #3Y.	352 ID-2 9-28-84 9-28-84
18. : hereby certify that the foregoing is signed Milla Knip	ling TITLE	Jnit Head	9-11 DATE	
(This space for Federal or State office	ADD ADDA	MAGER		21011
APPROVED BY CONDITIONS OF APPROVAL, IF AN	TITLE CONTROL	NO RESOURCE AREA	DATE 73	21.84

0

#### \*See Instructions on Reverse Side

Operator mineral Technologies Inc. **TOPS** MARY Fed #5 Yates Section 11 Township 235 Range 25e T. Salt API # 30---0 B. Salt Glorieta Bone Sp. 4966' Abo 2749' Wolfcamp Morrow Devonian Fusselman Other T. Delaware 1400 133/2" 54.5 # casing set o 1613'. -W/ 2000 sx1 cement, Circ. 9 5/8" 40 # casing set 2 2600. w/ 775 sxs cement. Circ. Wellwas spudded & Diilled 9/12/1985 D. V. Tool 4792' Dear Dun used as Hole swipe -Lost line. Plugs set > 305-250', 750'-131'

total 400 sys cement.

Perfi 9747'- 9857'.

T'' casing pet D 10,395'.

N/ 1st stage 945 sxs conent

2nd stage 975 sys. To.e. 2990' By Temp. Survey.

		Exxon Corp.	-	TOPS
	Well _	Mary Fed. #34	D 00-	Yates
		Section 11 Township 235	Range 25@	T. Salt
	API# 30-	-0 <u>15 - 75046</u>	·	B. Salt
				Glorieta
				Bone Sp.
1	1 1			Abo
1				Wolfcamp
İ				Morrow
ĺ				Devonian
ļ				Fusselman
Ì				Other
ļ	1 1			
1	1 1			
			3	
	1			:
İ				
	1 1			
Ì				
j	1 1			
		8 18 24 # casing set 0 1329.  w/800sks T.o.c 615'  1" to-surface. Total 303181		
4	+	, , ,		
		w/800 SKS T.O.C 615		
		- 1 Tail 303 mg	man T	
		1" To- surface. 10171 303 181	(CMC)	
			:	
,				
	1 1			
•	4			
	ļ			
	ļ			
	}			
				History
	}		•	0.11/ 0/2/20
D.V. rool	F.			Wellwar spudded + Prilled. 8/29/198
7814	4			
2017				Well was Plugged 1/7/1985.
				•
	<b>\</b>		!	
			<b>;</b>	
	+ Perf	(s 4783-92)		
		FIV " IEC#	162	
	<b>A</b>	51/2" 15.5# casing set a 5		
	151	stage 1850 sas cement.		
	and.	stage 450 sxs concert. T.o.c.	822. by Teap.	Survey.
	•	<u>(1.7)                                    </u>	ι ,	,

Operator Louis Dreyfus Natural Das Corp.	TOPS
Well Squaw Feel. #1	Yates
Unit F Section 12 Township 23-5 Range	
API # 30-015 - 20999	B. Salt
	Glorieta
	Bone Sp.
	Abo Wolfcamp \ 84\0'
	A
	Morrow 10 579'
	Devonian Fusselman
	Other
16" 65# Conductor set 2 100'	Other
	,
w/225 5x5 Cl. (,	
circ.	
1	
95/0" 36 # = coin cet a 2600'	
95/8" 36 # Ensing set 2 2660'	
W/ 1000 SET HOWER Lite, 200 SES CI. (.	
ł	<u> </u>
T.o.c. 650' By Temp. Survey 1" To surface 5 stages 744' to surface	
1" to surface 3 stages 199 to surface	<b>(*</b> ;
Total 535 FKS, einc.	
10141 333341, 2116.	} }
	History
	Well was spudded + Drilled 10/31/1973
+ 48·30 - 50 3/99	
7 48:30 - 50 3/99	C.T. 0-105. + Rotary to 70.
·	
	1
	}
	:
+ 10,138 - 160 .	
+ 11,203'-09'. Morrow Perf1.	
51/2" 20# casing set 2 11,460.	
William C. H. Tana - Ozon L. Toma	Servar
W (200 sxs CI. H. T.o.c 8200, by Temp.	servey.

Form 3160-5

## UNITED STATES

RECEIRED

FORM APPROVED

(December 1989)		T OF THE INTE		SEP U Z 1992		No. 1004-0135 ember 30, 1990
		LAND MANAGE		C.C.D.	5. Lease Designation an	
	SUNDRY NOTICES om for proposals to drill of Use "APPLICATION FOR	or to deepen or ree	ON WELLS	,	6. If Indian, Allottee or	
	SUBMI	IN TRIPLICATE	. <del></del>		·7, If Unit or CA, Agree	ment Designation
1. Type of Well Oil Gas Well Well  2. Name of Operator	Other				8. Well Name and No. SQUAM FEDERAL	,
EXXON CORP  3. Address and Telephone N		: REGULATOR	Y AFFAII	RS /	9. API Well No. 300152099	9
P. O. BOX  4. Location of Well (Footage	1600 MIDLAND, e, Sec., T., R., M., or Survey Descrip		(915)	888-7532	10. Field and Pool, or E SHEEP DRAW STR	•
SE4 NW4, 1	.980' FNL & 198	O' FWL, SEC	12,T23	S R25E	II. County or Parish, St	ate NM
12. CHE	CK APPROPRIATE BOX(	) TO INDICATE NA	TURE OF NO	TICE, REPORT, OR (	OTHER DATA	
TYPE OF S	SUBMISSION			TYPE OF ACTION	1	
Notice of	Intent		Abandonment Recompletion		Change of Plan	
Subsequer	nt Report		Plugging Back Casing Repair		Non-Routine F Water Shut-Off	· ·
☐ Final Aba	ndonment Notice		Altering Casing Other	CONTINUE W	Conversion to I	njection TATUS
11 Describe Provent on Co				Recompletion Report	and Log form.)	disadipally dellad air

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 MOINTH PERIOD

ENDING /2/31/92

. I hereby certify that the foregoing is true and correct  Signed	Alex M. Correa <sub>Title</sub> Administrative Specialist Date 08	/05/92
(This space for Federal of State office use)	%	12 2 /22
Approved by		20172
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 representati as to any matter within its jurisdiction.

### N. M. Oil Cons. Division

811.S. IST ST.

ARTEGIA, NM SAZYO-CHRA

Form 3160-5 (June 1990)

UNITED STATES DEPARTMENT OF THE INTERIOR BUREAU OF LAND MANAGEMENT

FORM 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

Eddy County, NM

SUNDRY NOTICES AND REPORTS ON WELLS

SHRMIT IN

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
THE WALL AND THE WALL

THE COURSE OF LEASE POR	7.7	12 T A	7. If Unit or CA, Agreement Designation
TRIPLICATE		5, *	*;

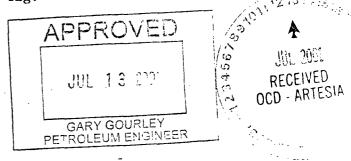
Type of Well	
Oil X Gas Other	8. Well Name and No.
Name of Operator	Squaw Federal #1
Louis Dreyfus Natural Gas Corp.	9. API Well No.
Address and Telephone No.	30-015-20999
14000 Quail Sprgs. Pkwy., Oklahoma City, OK 73134 (405) 749-1300	10. Field and Pool, or Exploratory Area
Location of Well (Footage, Sec., T., R., M., or Survey Description)	Sheep Draw Strawn
1980' FNI. & 1980' FWL. Sec. 12. T-23-S. R-25-E	11. County or Parish, State

	•	·							
<u> </u>	CHECK APPROPRIATE BOX(s) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA								
	TYPE OF SUBMISSION	TYPE OF ACTIO	N						
	Notice of Intent	Abandonment	Change of Plans						
		Recompletion	New Construction						
	Subsequent Report	Plugging Back	Non-Routine Fracturing  Water Shut-Off						
	Final Abandonment Notice	Casing Repair  Altering Casing	Conversion to Injection						
		Other	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.

Conditions of approval, if any:

- (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.



		 -		
I hereby certify that the foregoing is true and correct C	Tide Agent		Date 06/29/01	
(This space for Federal or State office use)				
			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 statements or representations as to any matter within its jurisdiction.

form 3160-5 (June 1990)

#### **UNITED STATES** DEPARTMENT OF THE INTERIOR **BUREAU OF LAND MANAGEMENT**

Artesia, NM

Expires: March 31, 1993 Lease Designation and Serial No.

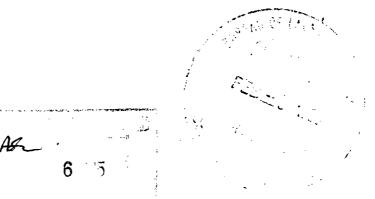
NM 0453201

SUNDRY	NOTICES	AND	REPORTS	ON	WELLS
auituni	ITOTICES		116 91119	~14	

	Do not use this form for proposals to out use "APPLICATION FO	6. If Indian, Allottee or Tribe Name	
Gil   Well   Well   Other   Squaw Fed #1	SUBMI	T IN TRIPLICATE	7. If Unit or CA, Agreement Designation
30-015-20999 Oklahoma City, OK 73134  Location of Well (Footage, Sec., T., R., M., or Survey Description)  1980' FNL & 1980' FWL Sec 12, T-23S, R-25E  CHECK APPROPRIATE BOX(S) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA  TYPE OF SUBMISSION  Abandonment  Notice of Intent  Notice of Intent  Subsequent Report  Abandonment  Recompletion  Plugging Back Casing Repair  Altering Casing Other H2S Report  Dispose Water (Note: Report results of mutiple competition on an Completion Report and Lygicer  Completion of Report and Lygicer  Completion of Report and Lygicer  Completion of Report and Lygicer  Completion of Report and Lygicer  Completion of Report and Lygicer  Completion of Report and Lygicer  Completion of Report and Lygicer  Completion of Report and Lygicer	Oil School Other  Name of Operator  Other		
Sheep Draw Strawn  1980' FNL & 1980' FWL  Sec 12, T-23S, R-25E  Eddy NM  CHECK APPROPRIATE BOX(S) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA  TYPE OF SUBMISSION  TYPE OF ACTION  Notice of Intent  Subsequent Report  Final Abandonment Notice  Final Abandonment Notice  Other H2S Report  Competition or Recompletion of Multiple competition on many forms of the property of the	Louis Dreyfus Natural Gas, C  Address and Telephone No.14000 Quail Spr	orp. ings Pkwy., Suite 600	
Sec 12, T-23S, R-25E  CHECK APPROPRIATE BOX(s) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA  TYPE OF SUBMISSION  Notice of Intent  Notice of Intent  Subsequent Report  Final Abandonment Notice  Thing Casing Repair  Attering Casing  Other H2S Report  Other H2S Report  Completion or Recompletion on we Completion on we Completion or Report and Lag for Compl			1
TYPE OF SUBMISSION  Abandonment  Recompletion  Subsequent Report  Plugging Back  Casing Repair  Water Shut-Off  Altering Casing  Other H2S Report  Completion of Paction Plugging and Competion of Maction Plugging Back  Conversion to Injection  Conversion to Injection  Completion or Recompletion Report and Lag for-			
Notice of Intent  Abandonment  Recompletion  Plugging Back  Casing Repair  Water Shut-Off  Conversion to Injection  Other H2S Report  Completion or Recompletion Report and Lag for	CHECK APPROPRIATE BOX	(s) TO INDICATE NATURE OF NOTICE, REPOR	RT, OR OTHER DATA
Recompletion  Plugging Back  Casing Repair  Final Abandonment Notice  Recompletion  Plugging Back  Casing Repair  Water Shut-Off  Conversion to Injection  Dispose Water  (Note: Report results of multiple competion on recompletion or Recompletion or Recompletion Report and Lag for	TYPE OF SUBMISSION	TYPE OF ACTION	
(Note: Report results of mutuple competion on second competition of Recompletion Report and Log for-	Subsequent Report	Recompletion Plugging Back Casing Repair Altering Casing	New Construction Non-Routine Fracturing Water Shut-Off Conversion to Injection
	Deverting Property		

Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally driven. 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



Title Environmental & Safety Director (This space for Federal or State office use) Approved by 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 size or representations as to any matter within its jurisdiction.

cls

Form 3160-5 (December 1989)

Conditions of approval, if any:

# UNITED STATES DEPARTMENT OF THE INTERIOR BUREAU OF LAND MANAGEMENT

receive!

COT - 9 1992

FORM APPROVED Budget Bureau No. 1904-0135 Expires: September 30, 1990

BUREAU OF	LAND MANAGEMENT	- 1992 <del> </del>	
		<b>^</b> -	Lease Designation and Serial No.
SUNDRY NOTICES	AND REPORTS ON WELLS .	WYER'S CO.	M 0453201
Do not use this form for proposals to drill		If Indian, Allottee or Tribe Name	
	PERMIT* for such proposals	1 10001 1011	
Use AFFECATION FOR	TENNITY 101 Such proposals		
SURMI	T IN TRIPLICATE	7.	If Unit or CA, Agreement Designation
3051417	- IN TRUE EIGHTE		
I. Type of Well			
Oil Well Other			Well Name and No.
2. Name of Operator			
EXXON CORPORATION ATTN	: REGULATORY AFFAIRS	•	API Well No.
3. Address and Telephone No.		L	001520999
P. O. BOX 1600 MIDLAND,	TX 79702 (915) 688	<b>-7532</b> 10.	Field and Pool, or Exploratory Area
4. Location of Well (Footage, Sec., T., R., M., or Survey Descrip	tion)	s	HEEP DRAW STRAWN
SE4 NW4, 1980' FNL & 198	0' FWL, SEC 12,T23S R	25E 11.	. County or Parish, State
		F	DDY NM
12. CHECK APPROPRIATE BOX(	s) TO INDICATE NATURE OF NOTICE	, REPORT, OR OTHE	R DATA
TYPE OF SUBMISSION	Т	YPE OF ACTION	
Notice of Intent	Abandonment		Change of Plans
Notice of Intent			
Subsequent Report	Recompletion		New Construction
Subsequent Report	Plugging Back		Non-Routine Fractioniz
□ <b></b>	L. Casing Repair		Water Shut-Off
Final Abandonment Notice	Altering Casing  Other  C	ONTIMUE MELL	Conversion to Insert to 1
	Other C		tiple completion on Web and the r
		Recompletion Report and Log	
<ol> <li>Describe Proposed or Completed Operations (Clearly state all subsurface locations and measured and true vertical depths for</li> </ol>		timated date of starting any pr	oposed work. If well is threat the another, go
PROVIDE ADDITIONAL INFO.	•	AN WHITLOCK	ON 8-31-92.
PROVIDING THIS INFO. SHO			
WITHDRAWN.			
THIS WELL IS SHUTIN D	UE TO HIGH H2S CONTEN	T. (SI IN JA	N., 1992)
THIS WELL IS CAPABLE	OF PRODUCING IN PAYIN		ND IS EXPECTED
TO BE RETURNED TO PRO		D OF 1992.	
WE BELIEVE THE MECHAN	ICAL INTEGRITY OF THE	WELL TO BE	AS GOOD AS WHEN
IT WAS SI.			
WE DISCUSSED N.M. RUL			
BE ALLOWED TO BE SI A	ND THAT THE INCIDENCE	OF NONCOMPL	IANCE BE
WITHDRAWN.			
SI/TA STATUS A	PPROJED		
	0/5/	92).	
ON 8/28/92 (SE	EE SUMDRY DATER 8/5/	/~/-	
	<i>H</i> 2	•	
14. I hereby certify that the foregoing is trengand correct	Alex M. Corre	a	
/ distill ( and ac	Title Administrative		Date 09/04/92
Signed Confidence	Title		Date
(This space for Federal or State office use)			

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 to any matter within its jurisdiction.

	-,. <u>-</u> -	Ŋ	I. M. O. C. C.	COPY.			Jey to S	デ
, , , , , , , , , , , , , , , , , , ,	Form 9-331 (May 1963)	DEPARTMEN	TED STATES T OF THE INTE OGICAL SURVEY	(Otho	IT IN Ti. 2ICAT r instructions on side)	Fo Bu	rm approved. dget Bureau N SIGNATION AND	To. 42-R1424.
	(Do not use this		AND REPORTS drill or to deepen or ple FOR PERMIT—" for suc			100	, ALLOTTEE OR	TRIBE NAME
	OIL GAS WELL	OTHER	· · · · · · · · · · · · · · · · · · ·	0 t. u.s.	AV		LEASE NAME	
	Hanagan I	Petroleum Co	rporation (		OV 3 0 1973	Squaw 9. Well No.		
		•	ell,New Mexi	co 8820	[D. D. C.	1		<b>有差别</b>
,	4. LOCATION OF WELL () See also space 17 bel At surface	Report location clearly ow.)	and in accordance with a	nny State require	ements.*	Unde	signated	温 套工 等
	1980' FNI	. & FWL				SURVE	B., M., OR BLE. Y OR ABEA	AND SECTION OF THE PROPERTY OF
	14. PERMIT NO.	15.	SLEVATIONS (Show whether	r DF, RT, GR, etc.)		12. COUNTY Eddy		N.M.
	16.	Check Approp	riate Box To Indicate	Nature of N	otice, Report, or	· · · · · · · · · · · · · · · · · · ·		
·	TEST WATER SHUT-OF FRACTURE TREAT SHOOT OB ACIDIZE REPAIR WELL (Other)	NOTICE OF INTENTION T	C:  R ALTER CASING  LE COMPLETE  N*	WATE FRACT SHOO (Other	SUBSI	EQUENT REPORT O	EPAIRING WELL LTERING CASING BANDONMENT*	
	17. DESCRIBE PROPOSED OF proposed work. If nent to this work.)	well is directionally of	s (Clearly state all pertin Irilled, give subsurface le	nent details, and ocations and mea	l give pertinent dat sured and true vert	es, including estical depths for a	mated date of ll markers and	starting any zones perti-
11( cm: mi;	/73: Moved i /73: TD 105' /73: TD 425'	n cable too, moved in lm., reames circulaties & cem. w/sx. excess temp. 75°,	, 1.32 slurr compressive	began dr le 0 to oint, ra C 2% Ca y vol. c strengt	rlg. operation 100!, drld in 3jts. 16 (Cl., plug of t./sx (th. 565#, te	d. 14-3/4 6" ST&C 6 down 6:30 . 75 <sup>0</sup> ten	l" hole 55# csg. AM 11/ ip. when	(meas. 17/73, slurry
11/20, 36:	/73: TD 2660 # csg. set @ Cl + 200 sx.	'sd. & 1m 2660'& cmt	(14-3/4" & 1 . w/1000 sx.	2-1/4" h Howco L	ole), Ran ight 5# gʻ	ilsonite,	17/4# f	locel 2
ci as ls:	rc. Ran temp follows, all t batch @ 744 100 sx (143'	<pre>. survey T/ cmt. used ' w/25 sx (</pre>	cmt. 650', w Class C 4%Ca 32' fill), 2	/1" tbg. Cl: nd @ 712	tag top (	cmt. 0:74 \$ 1 k (128!fi	4' and 11), 3r	circ.cm
( c i	irc. est 60 s csg: 1500#/3	x. excess)	cmt. circ.,	job comp	leted @ 8:	:00 PM-(1	1/21/73	).=Pres
					ECEIVI NOV 2 8 197	3	inche de verte de la constante	n manadana Nomana (Nomana) Representation
	18. I hereby certify that	the foregoing is true a	and correct	Vice PA	S. GEOLOGICAL S RIESIA, NEW MI	DATE	11/27/	73
	(This space for rede	PROVAL, IF ANY:	TITLE		-	DATE		1

\*See Instructions on Reverse Side

# N. M. Oil Cons. Division 811 S. 1ST ST.

ARTESIA, NM 38210-2834

Form 3160-5 (June 1990)

UNITED STATES DEPARTMENT OF THE INTERIOR **BUREAU OF LAND MANAGEMENT** 

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

5. Lease Designation and Serial No.

NMNM 0453201

#### CHAIDDY MOTICES AND DEDODES ON WELLS

Do not use this form for proposals to dr Use "APPLICATION FO	rill or to deepen or reentry to a different reservoir.  R PERMIT—" for such proposals	6. If Indian, Allottee or Tribe Name
SUBMIT	IN TRIPLICATE	7. If Unit or CA, Agreement Designation
1. Type of Well Oil X Gas Well Well Other 2. Name of Operator	the Control of Marchael Control of Control o	8. Well Name and No. Squaw Federal #1
Louis Dreyfus Natural Gas Co  3. Address and Telephone No.	orp.	9. API Well No. 30-015-20999
	clahoma City, OK 73134 (405) 749-1300	10. Field and Pool, or Exploratory Area Sheep Draw Strawn
1980' FNL & 1980' FWL, Sec.		11. County or Parish, State Eddy County, NM
2 CHECK APPROPRIATE BOX	(s) TO INDICATE NATURE OF NOTICE, REPO	RT, OR OTHER DATA
TYPE OF SUBMISSION	TYPE OF ACTION	<u> </u>
Notice of Intent	Abandonment  Recompletion	Change of Plans New Construction
Subsequent Report	Plugging Back Casing Repair	Non-Routine Fracturing Water Shut-Off Commission to Injection
Final Abandonment Notice  Supplied to the property of the West Service  Supplied to the Suppli	Altering Casing Other	Conversion to Injection  Dispose Water (Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)
(1) Set 5-1/2" CIBP @9630', (2) 6-25-01 Circulation w/m (3) 6-26-01 Cut 5-1/2" casin (4) 6-27-01 Spot 35 sx cmt. (5) 6-27-01 Spot 40 sx cmt. (6) 6-27-01 Spot 40 sx cmt. (7) 6-28-01 Spot 40 sx cmt. (8) 6-28-01 Spot 20 sx cmt.	ng @ 8047', spot 35 sx cmt. from 8100' from 6550' - 6400', no tag. from 4810' - 4670', WOC & tag @ 4694' from 2710' - 2601', WOC & tag @ 2573' from 230' - 121', no tag. from 50' to surface.	to 7950', WOC & tag @ 7942  /ED  2001  RECEIVED  OCD - ARTESIA
14. I hereby certify that the foregoing is true and correct C	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.

Form 3160-5 (December 1989)

as to any matter within its jurisdiction.

### **UNITED STATES** DEPARTMENT OF THE INTERIOR

CCT - 9 1992

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

BUREAU OF I	LAND MANAGEMENT	5. Lease Designation and Serial No. NM 0453201
Do not use this form for proposals to drill of	AND REPORTS ON WELLS ARTER of the reservoir.  PERMIT—" for such proposals	6. If Indian, Allottee or Tribe Name
SUBMI	T IN TRIPLICATE	7. If Unit or CA, Agreement Designation
1. Type of Well Oil Gas Well Other  2. Name of Operator		8. Well Name and No. SQUAM FEDERAL
EXXON CORPORATION ATTN  3. Address and Telephone No.	: REGULATORY AFFAIRS	9. API Well No. 3001520999
P. O. BOX 1600 MIDLAND,  4. Location of Well (Footage, Sec., T., R., M., or Survey Descrip		SHEEP DRAM STRAWN
SE4 NW4, 1980' FNL & 198	0' FWL, SEC 12,T23S R25E	EDDY NM
12. CHECK APPROPRIATE BOX(	s) TO INDICATE NATURE OF NOTICE, REPORT, OR	OTHER DATA
TYPE OF SUBMISSION	TYPE OF ACTION	4 - A-4
Notice of Intent  Subsequent Report  Final Abandonment Notice		Change of Plans  New Construction  Non-Routine Fracturing  Water Shut-Off  Conversion to Injection  VELL IN SI STATUS  s of multiple completion on Well Completion or and Log form.)
PROVIDING THIS INFO. SHOWITHDRAWN.  THIS WELL IS SHUTIN DOWN THIS WELL IS CAPABLE TO BE RETURNED TO PROWE BELIEVE THE MECHAN IT WAS SI.  WE DISCUSSED N.M. RUL BE ALLOWED TO BE SI A WITHDRAWN.	AS REQUESTED BY DUNCAN WHITLOULD CAUSE THE INCIDENCE OF NON UE TO HIGH H2S CONTENT. (SI IN OF PRODUCING IN PAYING QUANTIE DUCTION BEFORE THE END OF 1992 ICAL INTEGRITY OF THE WELL TO E 201-B-3 AS THE BASIS TO REQUIND THAT THE INCIDENCE OF NONCO	NCOMPLIANCE TO BE N JAN., 1992) ES AND IS EXPECTED
14. I hereby certify that the forestoing is terrifiend correct.  Signed Cliff Correct.	Alex M. Correa  Title Administrative Special	.ist <sub>Date</sub> 09/04/92
(This space for Federal or State office use)  Approved by  Conditions of approval, if any:	<b>7</b> 1992 Title	Date
	e	

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 representati

	Form 9-331 (May 1963) CITED STATES SUBMIT IN The GICATE*	Form approved. Budget Bureau No. 42-R1424.
Andrija Marka	DEPARTMENT OF THE INTERIOR (Other instructions on re-	5. LEASE DESIGNATION AND SERIAL NO.
		6. IF INDIAN, ALLOTTEE OR TRIBE NAME
	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.)	
	Use "APPLICATION FOR PERMIT—" for such proposals.)	7. UNIT AGREEMENT NAME
	OIL GAS WELL OTHER	
•	2. NAME OF OPERATOR NOV 3 0 1973	8. FARM OR LEASE NAME.
•	Hanagan Petroleum Corporation  3. ADDRESS OF OPERATOR	Squaw 9. Well No.
	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.)	10. FIELD AND POOL, OR WILDCAT
	At surface	Undesignated The Violation 11. SEC., T., B., M., OR BLE. AND
1, P	1980' FNL & FWL	SURVEY OR ARBA
		12-23S-25E 5 12. COUNTY OR PARISH 13. STATE
	14. PERMIT NO. 15. ELEVATIONS (Show whether DF, RT, GR, etc.)  3540 KB	Eddy N.M.
	Check Appropriate box to maicule realize of realize the point of the p	5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5
		UBNT REPORT OF
	TEST WATER SHUT-OFF PULL OR ALTER CASING WATER SHUT-OFF FRACTURE TREAT MULTIPLE COMPLETE FRACTURE TREATMENT	REPAIRING WELL
	SHOOT OR ACIDIZE ABANDON* SHOOTING OR ACIDIZING	CABANDONMENT*
	REPAIR WELL CHANGE PLANS (Other) Spud	of multiple completion on Well
	(Other) Completion or Recomp	letion Report and Log form.)
	17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, proposed work. If well is directionally drilled, give subsurface locations and measured and true vertice nent to this work.)*	al depths for all markers and zones perti-
10/31		
11/14		10ns W/rotary @=11:15
to	425', no loss circulation to this point, ran 3jts. 16'	" ST&C265# csq. (meas
11	0') set @ 100' & cem. w/225 sx Class C 2% CaCl, plug do	own 6:30 AM 17/17/73,
cm	t. circ. w/75 sx. excess, 1.32 slurry vol. cu. ft./sx. xed, est. fm. temp. 750, compressive strength 565#, tes	75" temp. when slurry
וות Dr	ess. drop, drld. plug 6:30 PM 11/17/73, WOC 12 hrs.	
11/20	//3: TD 2660'sd. & 1m (14-3/4"& 12-1/4"hole), Ran {	59 jts = 9-5/8_" K55 sT
36	# csq. set @ 2660' & cmt. w/1000 sx. Howco Light 5# gi	lsonite; 1/4# flocel (
C i	Cl + 200 sx. Clss C 1/4# flocel 2% CaCl, plug down l2:4 rc. Ran temp. survey T/cmt. 650', w/l" tbg. tag top cm	nt. 0:744 and circ cr
as	follows, all cmt. used Class C 4%CaCl:	
- 1s	t batch @ 744' w/25 sx (32' fill), 2nd @ 712' w/100 sx	(128 ft]]), 3rd @ 58
W/	100 sx (143' fill), 4th @ 441' w/100 sx (160' fill), 5	th @ 28‡{:W/210:sx= 00 pm=/117/21=/723==pna;
u	irc. est 60 sx. excess) cmt. circ., job completed @ 8:0 csg. 1500#/30", no press. drop. Began making new hole	a a 11.20 -MM 11.729/72
~ [	RECEIVE	
	RECE!	district the control of the control
	NOV 2 8 1973	
	MOA S.	
	18. I hereby certify that the foregoing is true and correct  U.S. GEOLOGICAL SU	100 高等一直至 上市 海绵 干毒
: .	18. I hereby certify that the foregoing is true and correct  SIGNED STUDY OF ARTESIA NEW ME  SIGNED STUDY OF ARTESIA NEW ME	DATE 11/27/73
· ·	(This space for rederal of State office use)	
	APPROVED BY TITLE	DATE OF STREET
Δ	CONDITIONS OF APPROVAL IF ANY:	The second secon
	NOV 23 Aller	
	BEEKWING STRICT ENGINEER *See Instructions on Reverse Side	
	*See Instructions on Reverse Side	
,		

STATE OF NEW MEXICO			•
VERGY AND MINERALS DEPARTMENT	No.	<b>4</b> 4.5	RECEIVED BANTER C 04
	OIL CONSER'	VATION DIVISION	
OIST RIBUT ION	P. Q. !	BOX 2088	CED 04 1004
SANTA PE	SANTA FE, N	EW MEXICO 87501	SEP 21 1984
V.S.G.S.			
LAND OFFICE		· ·	O. C. D.
	REQUEST F	FOR ALLOWABLE	ARTESIA, OFFICE
TRANSPORTER CAS V	· · · · ·	AND	
PROBATION OFFICE	AUTHORIZATION TO TRAN	NSPORT OIL AND NATURAL GA	S
Address	ORPORATION		
BOX 1600	ONIOLAND TEX	AS 74702	
, , , , , , , , , , , , , , , , , , , ,	j <b>k</b> )	Other (Please explain)	11 0 11 0 10 0 1 5
New Weil	Change in Transporter of:	- PLWC- BAC	K- RECOMPLE
Recompletion	OH Dry	Gas [ INSTRALUI	V 10,138-1016C.
Change in Ownership	Casinghead Gas Cond	iensate	
If change of ownership give name			
and address of previous sweet			
•			
DESCRIPTION OF WELL AND	LEASE Sheen Draw	1 Strawy	
Lease Name	Well No. Pool Name, Including	Formation Kind of	eque NM
Course cons	1 LANDESIGNA	TED SOUTH SING FO	ederal or Per
SOLAW FEDER	MC 1 CARLOSAN	JENA - DIENE, P.	Maria ar ray
Location	_		-
Unit Later F . 19	<b>80</b> Feet From The NORTH	1981	rom The WEST
	The season was the TANA CO.	THE CHE TO PER P	tom the ADAS
Line of Section /2 To	ownship 23-5 Range	2	n n
Line of Section / L To	awaship 🔏 U " 🔾 — Roage	25-E , NMPM, EC	DV
			~
DESIGNATION OF TRANSPOR	RTER OF OIL AND NATURAL G	AS	
Name of Authorized Transporter of Of		Address (Give address to which a	pproved copy of this form is to be
113. 17. 10. 00. 1	P adulin a		
NAUATO CRUDE OIL Name of Authorized Transporter of Co	TURCHAS INC- CD	Address (Give address to which a	16314 MM 882
<b>,</b>	_ · _ · _ <del>_</del> _		•
TRANSWESTERN	PIPE LINE CO.	P.C. Box 25-21 Hea	STON TEXAS 1700
If well produces oil or liquids.	Unit Sec. Twp. Rge.	Is que actually connected?	When
give location of tanks.	1 F 1/2 235125-	YES.	8-24-84
**************************************			4 7 8 /
	ith that from any other lease or pool	, give comminging order number:	
COMPLETION DATA	Oil Well Gas Well	New Well Workover Deepen	Plug Back   Same Res'v.
Designate Type of Completi-	(Y)	How well   wellover   Deeber	1
Doorgando 1/po or compress	<u> </u>		_ ! \ \ \ ! \ !
Date Spudded	Date Compl. Ready to Prod.	Total Depth	P.B.T.D.
10.7673	8-31-84	11460	10350
10-31-73 Elevations (DF, RKB, RT, GR, etc.)	Name of Producing Formation	Top Oll/Gas Pay	Tubing Depth
2 M 0 1 P (i)		, -	i i
3524 CR	STRAWN	15/38 -	10003
Perforations			Depth Casing Shoe
10138-1016	D	•	
		D CEMENTING RECORD	·
uai pase			1
HOLE SIZE	CASING & TUBING SIZE	DEPTH SET	SACKS CEMENT
20	16" 654	100	225
143/4 12 1/4	195/2 364	2660	1735
842	5/2 17-20R	11960	700
<u> </u>	249" 186		
	1 M 7 T I /9 I	1 10003	
	OR ALLOWABLE (Test must be a	after recovery of total volume of load	oil and must be equal to or exceed
OIL WELL	OR ALLOWABLE (Test must be a able for this d	epth or be for full 24 hours)	
	OR ALLOWABLE (Test must be a		
OIL WELL	OR ALLOWABLE (Test must be a able for this d	epth or be for full 24 hours)	
OIL WELL Date First New Oil Run To Tanks	OR ALLOWABLE (Test must be a able for this d	epth or be for full 24 hours) Producing Method (Flow, pump, ga.	
OIL WELL	OR ALLOWABLE (Test must be a able for this d	epth or be for full 24 hours)	e lift, etc.j
OIL WELL Date First New Oil Run To Tanks Length of Test	OR ALLOWABLE (Test must be a able for this di   Date of Test   Tubing Pressure	Producing Method (Flow, pump, ga.  Casing Pressure	Choze Size
OIL WELL Date First New Oil Run To Tanks Length of Test	OR ALLOWABLE (Test must be a able for this d	epth or be for full 24 hours) Producing Method (Flow, pump, ga.	Choze Size
OIL WELL Date First New Oil Run To Tanks Length of Test	OR ALLOWABLE (Test must be a able for this di   Date of Test   Tubing Pressure	Producing Method (Flow, pump, ga.  Casing Pressure	Choze Size
OIL WELL Date First New Oil Run To Tanks Length of Test	OR ALLOWABLE (Test must be a able for this di   Date of Test   Tubing Pressure	Producing Method (Flow, pump, ga.  Casing Pressure	Choze Size  Gas-MCF  Post  T  Post
OIL WELL Date First New Oil Run To Tanks Length of Test Actual Prod. During Test	OR ALLOWABLE (Test must be a able for this di   Date of Test   Tubing Pressure	Producing Method (Flow, pump, ga.  Casing Pressure	Choze Size  Gas-MCF + ID-2
OIL WELL Date First New Oil Run To Tanks  Length of Test  Actual Prod. During Test  GAS WELL SEE BACK	OR ALLOWABLE (Test must be a able for this d. Date of Test    Date of Test   Tubing Pressure   Oil-Bbis-	Producing Method (Flow, pump, ga.  Casing Pressure  Water-Bbis.	Choze Size  Gas-MCF  Port  T0-2  Comp.  Comp.
Length of Test	OR ALLOWABLE (Test must be a able for this di   Date of Test   Tubing Pressure	Producing Method (Flow, pump, ga.  Casing Pressure	Chose Size  Gas-MCF  Post  14

Operator_	Turner .	r Del	Vito	_
Well	Devi	to #	}	··
Unit 0	Section	12	Township 23.5	Range 25-6
API # 30	-0 <u>15</u>	- 00	136	•

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

10" casing set 2 451'
w 15 sxs coment
Pos. cut a Pulled.

Hole Full of Sul. Water. 755-880: + SALT WATER.

?" casing set 2 1533; Mudded.

T.D. - 1758!

# SCOUT REPORT

OIL CONSERVATION COMMISSION

9-A

N	Common	
	Company Turner and	4.3
Townstie	Farm Name De Vito	Well No. 1
	Land Classification Gover	inment
	Sec. 12 Twp. 2	Range 25 County Eddy
*	m Feet from Line: 16	Francisco de la constanta de l
The second secon	Elevation	Method Mach
	Contractor	Scout
	Spudded 10-16-40 Com	pieted / / / / mitial Production
	Bond Status	
	ACID RECORD	TA
Amount Casing and Cementing Record	Gals.	TS
Size Sax	Cais.	BS
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PATE 10-9-40 RUM	\$/0	
PATE 10-9-40 RUM 10-29 00 890 G	S/0 S/0 DATE	
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10-9-40 701	8/0 S/0 DATE H - 755-60-6744	
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10-9-40 PM 10-29 60 890 G 1Bly Sul W-P	B/0 S/0  DATE  H = 755-60-6744	
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incor. Charles and

#### CONTRACTOR VICEN

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T. 23 S., R. 25 E., Sec. 12 330 fr SL : 1650 fr EL Unit 0

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FROM --- TO

LEASE DeVito	o (Yederal)		WELL NO.	1.
Spud .	Comp.		T. D.	
Tools Cable			•	
I.P. ABANDO	NED	After		

DRILL STEM TESTS

RESULTS

OPEN

Producing Zone:

DATE

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WTR 1450-59 (Lamar)	10 REC ARIL	7
" 1640-47 (Det sd)	15 000	4.
	(C)	e,*9/
	Ellorest.	/

#### CASING RECORD

SIZE	DEPTH	CEMENT

ELEVATION BY L-S 3446			GEOLOGICAL RECORD				
FORMATION	DEPTH	DATUM	INFO.	· · · · · · · · · · · · · · · · · · ·			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)		ļ		Top Devonian Lime			
Base Anhydrite		1		Top Silurian (Fusselman )			
Top Queen		1		Top Ordovician (Montoya)			! 
Top Penrose				Top Simpson			
Top Grayburg			1	Top Ellenburger		<u> </u>	
Top San Andreas			i	Top Cambrian (Bliss)		<u> </u>	
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.		- 100-00	
Top Abo				T.A. — B.S. (Sala	ado)		
Top Wolfcamp (Hueco)				B.S. — T.T. (Flet	tcher)		
Top Bursum ·			ĺ	T.T. — T.Y. (Tan	sil)		
DELAWARE BASIN				T.Y. — T.S.R.L. (Yat	es)		
Top Lamar	8701	+2368	SL	B.S. — B.A. (Gra	dational)		<u> </u>
Top Del.`Sand	1528	+1918	SL	B.S — T.D.L. (Cas	tile)		
Top Bone Springs			İ	T.D.L. — T.D.S. (Lan	nar)	450	SL
			!	T.D.S. — T.B.S.L. (Dela	aware)		
				TDL-Fluids (with	)	562:16	SL- OP

# CONTRACTOR OF THE CONTRACTOR O

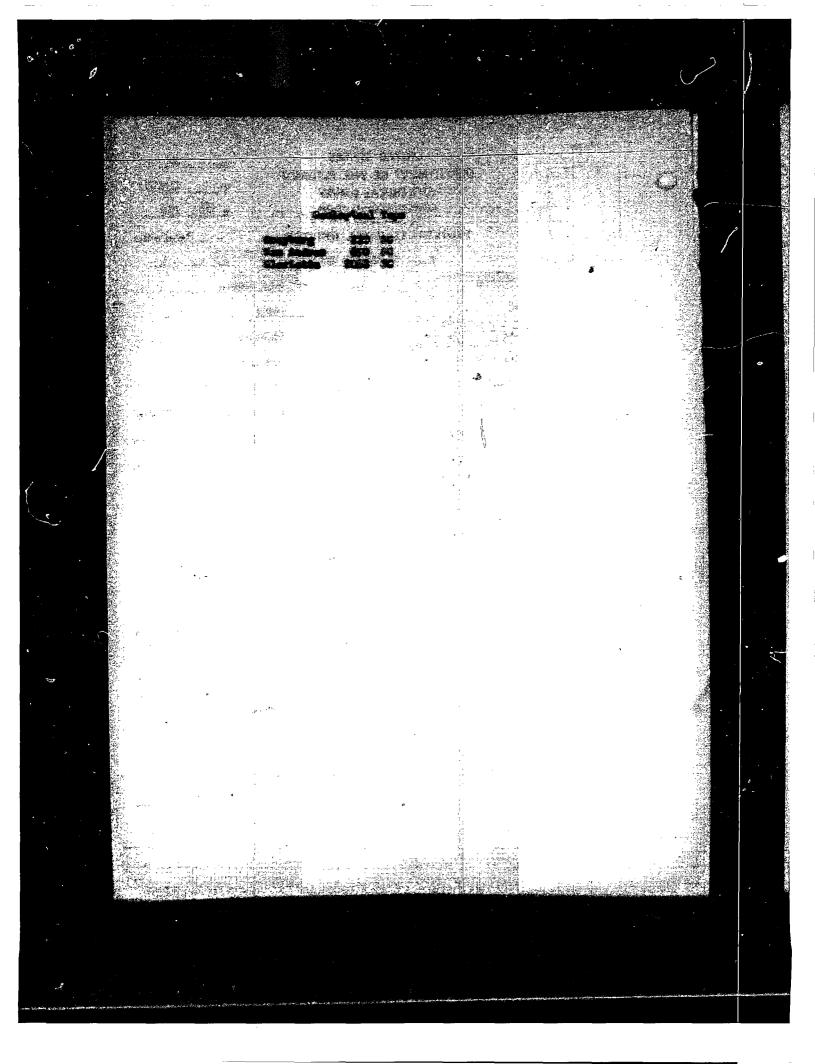
ENDIVIDUAL WELL RECORD

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3 600			10 PM
		The stop with the	100

PUMAC LAND: Bed No. 2 Land office State Burles County MA Perceittee or Legico .... Operator Pursue and Deffite District Bossell and Well No. 1 Sabdivision III Location 239 feet from N.S. line and 1659 feet from E. N. line of N. Drilling approved Onto 11 , 19 10 Well elevation 116 (146) Drefling commenced Cot. 15 19 10 Total depth Ording retased Pena 9 19 10 Initial production 1 Floured and abundaned March 5 . 19 4 Gravity A. P. I. WELL STATUS Oct. Xov Dec. Jain. Des Drz Drg 1941 Drs FRA

Reserves Bedeen formal and STE-Lot. Liberty and 1665-171.

Date about to reviews and professive submitted.



**TOPS** Operator Exxon Corp. Yates Well Squaw Fed. #2 Unit 6 Section 13 Township 23-5 Range 25-6 T. Salt B. Salt API # 30-015 -- 24701 Glorieta Bone Sp. Abo Wolfcamp Morrow Devonian Fusselman Other 85/8" 24 # casing set 2 1325 W/1250 sps cement. circ. History Well was spudded + Dilled 12/22/1983 Well is P.A. 12/4/91. D. V. 1001 [ 3020

51/2" 17 # casing set 2 5172'.
15 157 57 age 550 STT cement
2nd STASE 900 STS CEMENT T.O. C. - 1050 by Temp. Survey.

+ Perfs 4732'-74'. Delawarc.

RE VED

dsF

Form 3160-5 (December 1989)

# UNITED STATES DEPARTMENT OF THE INTERIOR BUREAU OF LAND MANAGEMENT

DEC % 3 1991 O. C. D.

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

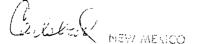
SUNDRY NOTICES  Do not use this form for proposals to drill of the control of the	TX 79702 (915) 688-7546	5. Lease Designation and Serial No. NM—0453201  6. If Indian, Allottee or Tribe Name  7. If Unit or CA, Agreement Designation  8. Well Name and No. SQUAN FEDERAL  9. API Well No. 3001524701  10, Fight and Pool, of Exploratory Area  BELANTON  BELANTON  DELANTON  CANYON
2310' FNL AND 2240' FEL  12. CHECK APPROPRIATE BOX(	SECTION 13, T23S, R25E  W. G  s) TO INDICATE NATURE OF NOTICE, REPORT, OR OT	EDDY NM
	·	HER DATA
TYPE OF SUBMISSION  Notice of Intent  Subsequent Report  Final Abandonment Notice	Abandonment Recompletion Plugging Back Casing Repair Altering Casing Other (Note: Report results of Recompletion Report and pertinent details, and give pertinent dates, including estimated date of starting as	
12-3-91 TAGGED CIBP AT 4616'. DISPLAC PLUG 2 - 25 SX PLUG 3 - 25 SX W/10# BRINE GE	TIED BLM THAT PLUGGING OPERATION 4620'. PLUG 1 - 25 SX CEMENT PED CSG W/10# BRINE GEL. CEMENT PLUG FROM 2827 - 3080'. CEMENT PLUG FROM 1122 - 1375'. L. CEMENT PLUG FROM 100' - SURFACE SS C NEAT. D. CIRCULATED 15 SX CL C NEAT	LUG FROM 4362 -  DISPLACED CSG  .  100' TO SURFACE MARKER. CLEANED
;	encolorium (n. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1.	Post ID-2 1-10-95 P+ ft
(This space for Federal or State office use)  Approved by  Conditions of approval, if any:	Title	Date 18 25-91

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 represent as to any matter within its jurisdiction.

NM OIL CONS. COMMISTION Drawer DD Artesia, NM 88210 RECEIVED Brom 9-331 Form Approved. Dec. 1973 Budget Bureau No. 42-R1424 UNITED STATES 5. LEASE MAR 29 1985 DEPARTMENT OF THE INTERIOR NM-0453201 6. IF INDIAN, ALLOTTEE OR TRIBE NAME **GEOLOGICAL SURVEY** O. C. D. ARPESIA. OFFICE 7. UNIT AGREEMENT NAME 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.) 8. FARM OR LEASE NAME Squaw Federal gas well XX well other 9. WELL NO. 2. NAME OF OPERATOR 10. FIELD OR WILDCAT NAME Exxon Corporation 3. ADDRESS OF OPERATOR Wildcat 11. SEC., T., R., M., OR BLK. AND SURVEY OR P.O. Box 1600, Midland, Texas 79702 **AREA** 4. LOCATION OF WELL (REPORT LOCATION CLEARLY. See space 17 13-23S-25E 2310' FNL & 2240' FEL of Section AT SURFACE: 12. COUNTY OR PARISH 13. STATE AT TOP PROD. INTERVAL: New Mexico Eddy. AT TOTAL DEPTH: 14. API NO. 16. CHECK APPROPRIATE BOX TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA 15. ELEVATIONS (SHOW DF, KDB, AND WD) REQUEST FOR APPROVAL TO: SUBSEQUENT REPORT OF TEST WATER SHUT-OFF ETPIRE FRACTURE TREAT RE SHOOT OR ACIDIZE REPAIR WELL (NOTE: Report results of multiple completion or zone PULL OR ALTER CASING change on Form 9-330.) 17 MULTIPLE COMPLETE CHANGE ZONES ABANDON\* (other) Status Report 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.)\* Perf 5 1/2" csg @ 4732-4774 w/52 shots. 1-11-84 Acdz w/2000 gals 15% HC1. 1-12-84 Frac w/32,000 gals 75% foam, 18,000# 20-40 sand, 16,000# 10-20 sand. 1-17-84 Testing.

> Subsurface Safety Valve: Manu. and Type \_ Set @ 18. I hereby certify that the foregoing is true and correct DATE January 24, 1984 Unit Head TITLE This space for Federal or State office use) A ICEPTED FOR RECORD APPROVED BY CONDITIONS OF APPROVAL YELANY

MAR 2 2 1985



#### NM OIL CONS. COMMITTION

#### UNITED STATES

Drawer DD Artesia, NM

8NM-0453201

Form A	bbloned	i.	
Budget	Bureau	No.	42-R1424

## DEPARTMENT OF THE INTERIOR

**GEOLOGICAL SURVEY** 

_	_				
7.	UNIT	AGRE	EMENT	NAME	

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

SUNDRY	NOTICES	AND	REPORTS	ONI-WIEL185
o not use this fo servoir. Use Form	rm for proposals 9–331–C for suc	to drill o	or to deepen or	plug back to a different

(D ROSWELL DISTRICT well 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,

8. FARM OR LEASE NAME Squaw Federal

9. WELL NO. 2

10. FIELD OR WILDCAT NAME

Wildcat () , O 11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA

Sec. 13-23S-25E

12. COUNTY OR PARISH 13. STATE New Mexico

14. API NO.

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

REQUEST FOR APPROVAL TO: **TEST WATER SHUT-OFF** FRACTURE TREAT SHOOT OR ACIDIZE REPAIR WELL PULL OR ALTER CASING MULTIPLE COMPLETE CHANGE ZONES **ABANDON\*** 

Set casing

(other)

REPORT, OR OTHER DATA

SUBSEQUENT REPORT OF:

RECEIVED BY MAY 1 1 NOTE: Report results of multiple completion or zone change on Form 9-330.) 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.)\*

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.

Set @ \_ Subsurface Safety Valve: Manu. and Type 18. I hereby certify that the foregoing is true and correct January 17, 1984 Unit Head DATE SIGNED (This space for Federal or State office use) APPROVED BY TITLE \_ DATE CONDITIONS OF APPROVAL

Form 9–331 Dec. 1973	INC DATE STOWN	Form Approved.  Sudget Bureau No. 42-R14
• :	UNITL STATES NM OIL CONS.  Drawer DD	5. L. JE
	DEPARTMENT OF THE INTERIOR tesia, NM	882 NM-0453201
	GEOLOGICAL SURVEY	6. IF INDIAN, ALLOTTEE OR TRIBE NAME
SUNDRY	NOTICES AND REPORTS ON WELLS	7. UNIT AGREEMENT NAME
reservoir. Use For	orm for proposals to drill or to deephil or plug back to it different m 9-331-C for such proposals.	
1. oil well	BUR: EIYER BROMT   BUR: EIYER BROMT   ROSWELL DISTRICT	Squaw Federal  9. WELL NO.
2. NAME OF		2
	rporation	10. FIELD OR WILDCAT NAME
3. ADDRESS P.O. Box	OF OPERATOR 1600, Midland, Texas 79702 OFFICE	Wildcat Welaware  11. SEC., T., R., M., OR BLK. AND SURVEY
<del></del>	OF WELL (REPORT LOCATION CLEARLY. See space 17	AREA
below.)	2310' FNL & 2240' FEL of Section	Sec13-23S-25E
AT SURFAC	CE: ROD. INTERVAL:	12. COUNTY OR PARISH 13. STATE
AT TOTAL		Eddy New Mexico
16. CHECK AP	PROPRIATE BOX TO INDICATE NATURE OF NOTICE,	THE AFT NO.
	OR OTHER DATA	15. ELEVATIONS (SHOW DF, KDB, AND W
REQUEST FOR	APPROVAL TO: SUBSEQUENT REPORT OF:	3482 ' GR
FRACTURE TRE SHOOT OR ACT REPAIR WELL PULL OR ALTE MULTIPLE CON CHANGE ZONE ABANDON* (other) S	IDIZE	(NOTE: Report results of multiple completion or zo change on Form 9–330.)
including e	PROPOSED OR COMPLETED OPERATIONS (Clearly state stimated date of starting any proposed work. If well is diand true vertical depths for all markers and zones pertinen	irectionally drilled, give subsurface locations as
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. @ 1 sx ClC. Cmt. circulated. Test csg. t	
	•	
Subsurface Safe	ty Vaive: Manu. and Type	Set @ F
	tify that the foregoing, is true and correct	

ACCEPTED FOR RECORD

JAN 91984

DATE .

(This space for Federal or State office use)

\_ TITLE .

TYPE OF ACTION

Form 3160-5 (December 1989)

TYPE OF SUBMISSION

#### UNITED STATES DEPARTMENT OF THE INTERIOR BUREAU OF LAND MANAGEMENT

magata DEC 2 3 1991

O. C. D. ARTESIA OFFICE

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

5.	Lease	Des	ignat	ion	and	Serial	No.
N	M-	04	53	2	01		٠.

6. If Indian, Allottee or Tribe Name

### 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

7. If Unit or CA, Agreement Designation

SUBMIT IN TRIPLICATE		
l. Type of Well	;	
Mal Well L Other		8. Well Name and No. SQUAM FEDERAL
2. Name of Operator	4554700	2
EXXON CORPORATION ATTN: REGULATORY	AFFAIRS	9. API Well No.
3. Address and Telephone No.		3001524701
P. O. BOX 1600 MIDLAND, TX 79702	915) 688-7546	10. )First and Pool, of Exploratory Area Church DELAMARE CANVON
4. Location of Well (Footage, Sec., T., R., M., or Survey Description)		WELAHARE CANYON
2310' FNL AND 2240' FEL SECTION 13, 1	723S, R25E	11. County or Parish, State
	W. G	EDDY NM
12. CHECK APPROPRIATE BOX(s) TO INDICATE NATU	RE OF NOTICE, REPORT, OR OT	HER DATA

Notice of Intent	Abandonm	ent ·		Change of Plans	_
	Recomplet		1 - 1	New Construction	
Subsequent Report	Plugging E			Non-Routine Fracturing	
	Casing Re	air	•	Water Shut-Off	
Final Abandonment Notice	Altering C	sing		Conversion to Injection	
	Other				_
			ort results of mul on Report and Lo	Itiple completion on Well Completion or og form.)	
13. Describe Proposed or Completed Operations (Clearly state all	pertinent details, and give pertinent dat	s, including estimated date	of starting any pr	roposed work. If well is directionally drilled,	giv

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 -DISPLACED CSG W/10# BRINE GEL.

PLUG 2 - 25 SX CEMENT PLUG FROM 2827 -

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.

CUT OFF WELLHEAD. 12-4-91 CIRCULATED 15 SX CL C NEAT 100' TO SURFACE IN 5-1/2 X 8-5/8 ANNULUS. WELDED ON DRY HOLE MARKER. LOCATION.

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

I hereby certify that the foregoing is true and correct Signed		Bagwell aff Office Assistant	Date 12/10/91
(This space for Federal or State office use)  Approved by	Title	Pulting En Today	Date 12:26-91
Conditions of approval, if any:		4 . 4	
	•		

#### RECEIVED BY STATE OF NEW MEXICO FEB 28 1984 ENERGY MIN MINERALS DEPARTMENT OIL CONSERVATION DIVISION GIST RIGHT ION P. C. BOX 2088 SANTA FE O. C. D. . SANTA FE, NEW MEXICO 87501 FILE ARTESIA, OFFICE 440. --REQUEST FOR ALLOWABLE AND AUTHORIZATION TO TRANSPORT OIL AND NATURAL GAS OPERATOR Exxon Corporation Box 1600, Midland. TX 79702 ON PEASINGHEAD GAS MUST NOT BE X New Well FLARED AFTER 4 - 12 - 84 СШ Channe to Or HIE B. L. M. IS OBTAINED If change of ownership give name and address of provious owner.... IL DESCRIPTION OF WELL AND LEASE Kind of Less XXXX Federal or XXX Squaw Federal Wildon auras 2310 Feet Free The\_ G North Line 2240 Foot From The East 13 Township 235 25E NMPM, Eddv III. DESIGNATION OF TRANSPORTER OF OIL AND NATURAL GAS Name of Authorized Transporter of Oll X Address (Give address to which approved copy of this form is to be sent) P. O. Box 159, Artesia, NM 88210 Address (Give address to which approved copy of this form in to be sens) Navajo Crule Oil Purchasing Co. Name of Authorized Transporter of Canteghous Gas Untt Is our carrelly or If well preduces all or liquids, give location of tenta-!13 23S 25E Flared If this production is commingled with that from any other lease or pool, give commingling order numbers IV. COMPLETION DATA

OIL Well

Designate Type of Completion - (X)

Date Soudeed

NM+04532

Some Resert Ditt. A.

P.B.T.D.

Com

12-22-83 2-2-84 5172 Tubing Depth Elevetions (DF, RKB, RT, GR, etc.) Top OLL/Gas Pay GR 3482' Delaware 4732 4690 Pertorations Dopth Casting Shoe 4732-4774 TUBING, CASING, AND CEMENTING RECORD HOLE SIZE CASING & TUBING SIZE DEPTH SET SACKS CEMENT 12 1/4" 8 5/8" 1325 1250 5 1/2" 7/8" 5172 1450 2 7/8" 4690

New Well

X

Tatal Depth

V. TEST DATA AND REQUEST FOR ALLOWABLE (Test must be after resovery of total volume of land all and must be equal to ar associate al. able for this depth or be for full 24 hours) OIL WELL

Date First New QLI Rus To Taxes	Date of Tees	Producting Method (Flow, pump.	gas lift, starj	
1-19-84	2-11-84	Pump		
Length of Test	Tuking Pressure	Caning Pressure	Chaire Size	2
24 Hr.				150
Actual Prod. During Test	CU-Shie-	Weter- Sbie-	Gas-MCF	0 11 81
· · ·	23	130	111	Don 16 31
				3 21
GAS WET I.				a syll

Grevity of Condens Longth of Test Bhis. Contensets/MACF Actual Prod. Tool-MCF/D Tubing Pressure ( Shat-is ) Casing Pressure (Shwe-LB) Testing Method (pitot, back pr.) Chose Sise

Form Approved.

Arte

Drawer DI	) (	
Artesia,	NM	5 LEASE

Budget Bureau No. 42-R1424

9	<b>-</b>	_
<b>DEPARTMENT</b>	OF THE	INTERIOR

**GEOLOGICAL SURVEY** RECEIVED 6. IF INDIAN, ALLOTTEE OR TRIBE NAME

# SUNDRY NOTICES AND REPORTS ON WIFELLES

(Do not use this form for proposals to drill or to deepen or plug back to a different

2	DIAM	- 05	OPERA	<del></del>	<del></del>		•
1.	oil well		gas well		other	ROSWELL DISTRICT	
			111 3-331-	~ .o	ouch propusats./	RUP OF LAND MGMT	

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

8. FARM OR LEASE NAME Squaw Federal

7. UNIT AGREEMENT NAME

9. WELL NO.

10. FIELD OR WILDCAT NAME

Wildcat () 11. SEC., T., R., M., OR BLK. AND SURVEY OR

Sec. 13-23S-25E

12. COUNTY OR PARISH 13. STATE Eddy New Mexico

14. API NO.

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

**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 RECEIVED BY

MAY 1 1 196-4: Report results of multiple completion or zone change on Form 9-330.)

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.)\*

SUBSEQUENT REPORT OF:

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			•
18. I hereby certify that the foregoing is true and correct SIGNED MILLER TITLE	Unit Head DATE	January 17,	1984
ACCEPTED FOR RECORDS Space for Fe	deral or State office use)		
	DATE		
CONDITIONS OF APPROVALATE ANY 1984			

NN OIL COMS. COMMISSION

0/87

Form 9-331	Drawer D. Artesia, NM 882			Form Approved.
Dec. 1973	UNITED STATE		5. LEASE	Budget Bureau No. 42-R1424
	DEPARTMENT OF THE		NM-0453201	
	GEOLOGICAL SUF			OTTEE OR TRIBE NAME
SUNDRY	NOTICES AND REP	ORTS ON WELLS	7. UNIT AGREEM	ENT NAME
reservoir. Use Form	rm for proposals to drill or to de 19-331-C for such proposals.)	MAY 14 1984	8 FARM OR LEAS	
1. oil XX	gas weil other	Ö. C. D.	9 WELL NO.	
2. NAME OF C Exxon Corpo	·· -· ·· · · · · · · · · · · · · · · ·	ARTESIA, CHEPCE	10: FIELD OR WILD	CAT NAME
3. ADDRESS C	F OPERATOR		Wildcat ()	laware
	00, Midland, Texas			, OR BLK. AND SURVEY OR
	OF WELL (REPORT LOCATIO		AREA	
below.) 2 AT SURFAC	2310' FNL & 2240' FE E:	L of Section	Sec. 13-23S- 12. COUNTY OR PA	
	OD. INTERVAL:		Eddy	New Mexico
AT TOTAL D	DEPTH:		14. API NO.	New Mexico
16. CHECK APP	PROPRIATE BOX TO INDICA	ATE NATURE OF NOTICE,		
REPORT, O	R OTHER DATA		15. ELEVATIONS (	SHOW DF, KDB, AND WD)
		·	3482' GR	
REQUEST FOR		SEQUENT REPORT OF:		0° <b>≥</b>
TEST WATER SH	=======================================	님		ନ  2   R. ଚ
SHOOT OR ACIE		H		<u> </u>
REPAIR WELL			(NOTE: Report result	s of multiple completion zone
PULL OR ALTER			change on Fo	orm 9–330)
MULTIPLE COMI		H		TRICH
ABANDON*	i i	i i		GE -
(other) Chan	ge casing program	<del></del> -		77 8
including es	timated date of starting any	OPERATIONS (Clearly state proposed work. If well is di markers and zones pertinent	rectionally drilled, giv	, and give pertinent dates, e subsurface locations and
Please amen set @ 1325'	d the casing and cent w/1250 sx cmt.	menting program to s	show that 8 5/8	', 24# csg. will be
	•	•		
		_		•
		,		
•				•
Subsurface Safet	y Valve: Manu. and Type			Set @ Ft.
18. I hereby cert	ify that the foregoing is true a			
SIGNED/MCL1	na /mipling	TITLEUnit_Head	DATElanua	ry 10, 1984
<del></del>	COEFIED FOR RECOVE		<del></del>	<del></del>

APPROVED BY SWAY IF 1 ANY 1984

(This space for Federal or State office use)

Subsurface Safety Valve: Manu. and Type.

CONDITIONS OF APPROVAL, IF ANY:

APPROVED BY

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

9 1984

ACCEPTED FOR RECORD

Set @

DATE 12-30-83

Operator Golf Oil Corp.  PWell Shearn D Feel. Com. #1		TOPS Yates
Unit <u>J</u> Section <u>15</u> Township <u>23-5</u> F API # 30—0 15 22430	Kange <u>∠5·e</u>	T. Salt B. Salt
1M1" 30 0.15		Glorieta
		Bone Sp.
		Abo Wolfcamp8357'
		Morrow 10850
		Devonian
		Fusselman
		Other
		4
1338" 48 t casing set 2 33	75.	
w/400 sxs c1. H,		
1		
•		
958" 40 " casing set 2 2596	,	
w/1200 sxs cement.		
1" to surface total 600 srs cemen	<i>1</i> .	
	<u> </u>	us spudded + Drilled 2/19/1978
1	We	Il was enudded + Prilled 2/19/1978
	1.40	11 PAA - 7/12/1579,
	We	(( ) ) ( ) ( ) ( ) ( ) ( ) ( ) ( ) ( )
Freefs 9796 - 9913'		
7 16(11) 2176 - 2717		

51/2".17 # casing set 2 11,350'. w/875 sks cl-H. T.o.c. 8610'. by Temp. Survey.

N.M.O	O.C.D.	COPY

DEPARTMENT OF THE INTERIOR (Other Instructions on regeo of Color of the Interior of In	/ ·*	•			Ι. ;			
SUNDRY NOTICES AND REPORTS ON WELLS  (Do not use this form for proposable to drill or do-gene or posit nects to a different reservoir.    One continue this form for proposable to drill or do-gene or posit nects to a different reservoir.	Form 9–331 (May 1963)			EDIOD	(Ohban instructions on	re Bud	lget Bureau	
SUNDRY NOTICES AND REPORTS ON WELLS  OTHER	1				verse side)		2	RECEIVE
(Do not use this form for proposals a difficency to desego or place back to a different reservoir.    Out					\/(F)   C			
O.C. D. C. D. S. ASAM DE LEASE MARKET DE SHEART NOW PROGRATION  8. ADDRESS OF OPERATOR  GULF OIL CORPORATION  8. ADDRESS OF OPERATOR  8. ADDRESS OF OPERATOR  8. ADDRESS OF OPERATOR  9. P.O. BOX 670, Hobbs, NM 88240  9. LICATIONS OF WILL (Report location clearly and in accordance with any State requirements.*  1980' FSL & 1980' FEL  1980' FSL & 1980' FEL  10. FIREWAY NO. 15. PLEVATIONS (Show whether DF, DF, CA, CL.)  11. PREMITE SO.  12. COURT OR PARLIAN IS. SEC. 15-T23S-R25E  13. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data  NOTICES OF PREMITED TO:  THAT WATER BRIEF OFF  PRACTORS PREMITED OFF ALADAM IS. SECURITED CARRYON ANABOUS.*  REPAIR WALL (COURT)  10. DESCRIPA FROUGHTS OR ACCOUNTED ANABOUS.*  11. DESCRIPATE PROVIDERS OR ACCOUNTED TO SHAPE CASING (Clearly state all) pertioent details, and give pertinent date of multiple completions on Notice Report recompletion in the completion of Court of the World.*  11. DESCRIPT ANABOUS.*  12. DESCRIPATE PROVIDERS OF ACADING (Clearly state all) pertinent details, and give pertinent date of stating any many and the court of the World.*  12. DESCRIPATE PROVIDERS OF ACADING (Clearly state all) pertinent details, and give pertinent date of stating any providers that the world.*  12. DESCRIPT ANABOUS.*  13. SOUTH OF THE STATE OF THE STATE CASING (Clearly state all) pertinent details, and give pertinent date of stating any providers that the state of the world.*  13. DESCRIPT ANABOUS.*  14. DESCRIPT ANABOUS.*  15. DESCRIPT ANABOUS.*  16. Check Appropriate Box To Indicate Only the completion of Court of Technology of Parlian of Technology of Parlian of Technology of Parlian of Technology of Parlian of Technology of Parlian of Technology of Parlian of Technology of Parlian of Technology of Parlian of Technology of Parlian of Technology of Parlian of Technology of Parlian of Technology of Parlian of Technology of Parlian of Technology of Parlian of Technology of Parlian of Technology of Parlian of Technology of Parlian of Technology of Parlian of Tec							А	PR 28 19
Shearn "D" Federal Com  3. Address or Poracros  4. Encations or Wall, (Report location clearly and in accordance with any State requirements."  5. Address or Poracros  1. PREMIT NO.  15. ALXIANIONS (Show whether M, FT. G. G.)  16. ALXIANIONS (Show whether M, FT. G. G.)  17. PREMIT NO.  16. ALXIANIONS (Show whether M, FT. G. G.)  17. PREMIT NO.  18. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data  NOTICE OF INTERPROT TO:  18. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data  NOTICE OF INTERPROT TO:  18. ALXIANIONS (Show whether M, FT. G. G.)  18. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data  NOTICE OF INTERPROT TO:  18. ALXIANIONS (Show whether M, FT. G. G.)  18. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data  NOTICE OF INTERPROT TO:  18. ALXIANIONS (Show whether M, FT. G. G.)  18. ALX	OIL GAS X	OTHER				7. UNIT AGRE		O. C. D.
R. ADDRESS OF CYPRATORS P.O. BOS 670, Hobbs, NM 88240  4. Including so well, (Report location clearly and in accordance with any State requirements.*  4. Including so well, (Report location clearly and in accordance with any State requirements.*  4. Including so well, (Report location clearly and in accordance with any State requirements.*  4. Including so well, (Report location clearly and in accordance with any State requirements.*  4. Including so well, (Report location clearly and in accordance with any State requirements.*  4. Including so well, (Report location clearly and in accordance with any State requirements.*  4. Including so well, (Report location clearly and in accordance with any State requirements.*  4. Including so well, (Report location clearly and in accordance with any State requirements.*  4. Including so well, (Report location clearly and so well, (Report location clearly and so well, (Report location clearly and so well)  4. Including so well, (Report location clearly and so well, (Report location clearly and so well, (Report location clearly and so well, (Report location clearly and so well, (Report location clearly and so well, (Report location clearly and so well, (Report location clearly and so well, (Report location clearly and so well, (Report location clearly and so well, (Report location clearly and so well, (Report location clearly and so well, (Report location clearly and so well, (Report location clearly and so well, (Report location clearly and so well, (Report location clearly and so well, (Report location clearly and so well, (Report location clearly and so well, (Report location clearly and so well)  4. Including and state so well and so well, (Report location clearly and so well, (Report location clearly and so well, (Report location clearly and so well, (Report location clearly and so well, (Report location clearly and so well, (Report location) and so well, (Report location) and so well, (Report location) and so well, (Report location) and so well, (Report location) and	2. NAME OF OPERATOR	V						
P.O. Box 670, Hobbs, NM 88240  1 Sections of wall (Report location clearly and in accordance with any State requirements."  1980' FSL & 1980' FEL  11. Sec. T. B. W. O. Beat. AND  11. Sec. T. B. W. O. Beat. AND  12. COUNTY OF PARISE IS A SEC. 15-T23S-R25E  14. FERMIT NO.  15. BENVATIONS (Show whether BF, NT. OR. clc.)  16. Check Appropriete Box To Indicate Noture of Notice, Report, or Other Data  17. Decider Builder Of Invention To:  18. BENVATIONS (Show whether BF, NT. OR. clc.)  18. Sec. 15-T23S-R25E  19. COUNTY OF PARISE IS A SEC. IS TEASH OF PARISE CABING NOTICE OF INVENTION TO:  18. BENVATIONS (Show whether BF, NT. OR. clc.)  19. Check Appropriete Box To Indicate Noture of Notice, Report, or Other Data  19. BENVATION THAN SEC. T. B. W. O. BERTAINING WILL  19. Sec. 15-T23S-R25E  10. Check Appropriete Box To Indicate Noture of Notice, Report, or Other Data  19. BENVATION THAN SEC. T. B. W. O. BENVATION TO:  19. PART WATER BRUT-OFF  19. PART WATER BRUT-OFF  19. PART WATER BRUT-OFF  19. PART WATER BRUT-OFF  19. PART WATER BRUT-OFF  10. SEC. 15-T23S-R25E  11. SEC. T. B. W. O. BERTAINING  12. PART BRUT-OFF  13. SEC. T. B. W. O. BERTAINING  14. PERMIT NO.  15. BENVATION (Show whether BF, NT. OR. clc.)  16. Order On Notice of Indicate National Sec.		RATION					"D" Fed	eral Com
1. December of the state of the		matta me (	20270		·	9. WELL NO.		
See also space 17 below.) At surface  1980' FSL & 1980' FEL  11. FERNIT NO.  15. FERNIT NO.  16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data  NOTICE OF INTERTOR TO:  17. PRILLE SHAPEN TO SEE  17. PRILLE SHAPEN TO SEE  18. STATE  19. COUNTY OR PAILUR 13. STATE  Eddy NM  NOTICE OF INTERTOR TO:  19. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data  NOTICE OF INTERTOR TO SEE  19. COUNTY OR PAILUR 13. STATE  Eddy NM  NOTICE OF INTERTOR TO TO:  10. Other Notice of Intertory To See and See				any State	requirements •	10 FIELD AN	D POOT OF W	HDCAT
11. SEC., P. A. N. OB REC. AND  12. PERMIT NO.  13. REPAINDING (Show whether PF, RT, GA, etc.)  14. PERMIT NO.  15. REPAINDING (Show whether PF, RT, GA, etc.)  16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data  NOTICE OF INTENTION TO:  TEST WATER SHUT-OFF PRACTORS TREAT  SHOTO GA ACTORS  REPAIR WELL  (COLLEY)  (COLLEY)  17. DEFENDING NOT CONTENTED CONTENTED  REPAIR WELL  (COLLEY)  (COLLEY)  18. SEC. 15-T23S-R25E  19. COUNTY OR PARKERS   13. STATE  BUTCHER TREATMENT OF THE STREAM OF THE SHUT-OFF PRACTORS TREATMENT OF THE STREAM OF THE SHUT-OFF PRACTORS TREATMENT OF THE SHUT-OFF	See also space 17 below.	)	and in accordance with	any court	- oquatoment	L _		
18. PERMIT NO.  19. 18. ELEVATIONS (Show whether Dr. Rr. cs. etc.)  3754' GL  Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data  NOTICE OF INTENTION TO:  THEAT WATER SHUT-OFF PRACTURE TREAT  SHOOTING OR ACTIBING  ARADDON'  SHOOTING OR ACTIBING  ARADDON'  SHOOTING OR ACTIBING  ARADDON'  SHOOTING OR ACTIBING  ARADDON'  SHOOTING OR ACTIBING  ARADDON'  SHOOTING OR CONFLETED OFFIRATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any ment 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 from 2658' to 2550'. Spotted 45 sx cmt from 2658' to 2550'. Spotted 45 sx cmt from 650' to 550'. Spotted 35 sx cmt from 2658' to 2550'. Spotted 45 sx cmt from 650' to 550'. Spotted 7-6-79 thru 7-12-79.  8. I hereby certify that the foregolby is true and correct  SIGNED		80' FEL				11. SEC., T., E	., M., OR BLK.	AND
18. PERMIT NO.  19. 18. ELEVATIONS (Show whether Dr. Rr. cs. etc.)  3754' GL  Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data  NOTICE OF INTENTION TO:  THEAT WATER SHUT-OFF PRACTURE TREAT  SHOOTING OR ACTIBING  ARADDON'  SHOOTING OR ACTIBING  ARADDON'  SHOOTING OR ACTIBING  ARADDON'  SHOOTING OR ACTIBING  ARADDON'  SHOOTING OR ACTIBING  ARADDON'  SHOOTING OR CONFLETED OFFIRATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any ment 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 from 2658' to 2550'. Spotted 45 sx cmt from 2658' to 2550'. Spotted 45 sx cmt from 650' to 550'. Spotted 35 sx cmt from 2658' to 2550'. Spotted 45 sx cmt from 650' to 550'. Spotted 7-6-79 thru 7-12-79.  8. I hereby certify that the foregolby is true and correct  SIGNED								
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TEST WATER SHUT-OFF PRACTURE TREAT SHOOT OR ACIDIZE SHOT OR ACIDIZE SHOOT	16.	Check Approp	riate Box To Indicat	e Nature	of Notice, Report, o	r Other Data		
SHOOT OR ACIDEDE  SHOOT OR ACIDEDE  SHOOT OR ACIDEDE  CHANGE PLANS  CHANGE PLANS  CHANGE PLANS  CHANGE PLANS  CHANGE PLANS  CHANGE PLANS  CHANGE PLANS  CHANGE PLANS  CHANGE PLANS  CORPORATIONS  CORPORT RESUlts of multiple completion on Well Completion or Recompletion Report and Log form.)  17. DESCRIBE PROFOSED OR CONFLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If will addrectionally drilled, give subsurface locations and menaured 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/abandomment 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'-22550' across 9-5/8" shoe jt. WCC. 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.  RECEIVED  JUL 1 7 1979  U.S. SEULUGICAL SURVEY ARTESIA, NEW MEXICO  6. I hereby certify that the foregoing is true and correct  SIGNED A. A. TITLE Area Engineer  DATE 7-16-79  (This space for Federal or State office use)  (PAGE, Sgd.), GEORGE H. STEWART  APPROVED BY  TITLE  DATE  ALZERING ARIBORAL SURVEY ARTESIA of Multiple completion on Well Toward Tappoverby and the multiple completion on Well Toward Tappoverby and the multiple completion on Well Survey and the proposed pertinent details, and give pretinent dates, including completion on Well  Completion or	NOT	ICE OF INTENTION T	o:	ı	SUBS	EQUENT REPORT OF	•	
### PRACTURE TREAT ### SHOOT OR ACIDIZED ### SHOOT OR ACIDIZED ### SHOOT OR ACIDIZED ### SHOOT OR ACIDIZED ### SHOOT OR ACIDIZED ### SHOOT OR ACIDIZED ### SHOOT OR ACIDIZED ### CHANGE PLANS ### SHOOT OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If we indicated with starting any proposed with the different of 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'-2250' across 9-5/8" shoe jt. WCC. 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.  ###################################	TEST WATER SHUT-OFF	PULL C	B ALTER CASING	ŀ	WATER SHUT-OFF	BE	PAIRING WELI	. 🖂
REPAIR WELL  (Other)		<del>  </del>			FRACTURE TREATMENT	<del></del>		
(Other)  (Other)  (Other)  (Other)  (Completion or Recompletion of Recompletion on Well Completion or Recompletion Recompletion or Recompletio	SHOOT OR ACIDIZE	ABANDO	N*	1	SHOOTING OR ACIDIZING	AB.	ANDONMENT*	X
Describe Proposed on Complexed organics (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 talks 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.  RECEIVED  JUL 1 7 1979  U.S. SEULUGICAL SURVEY ARTESIA, NEW MEXICO  8. I hereby certify that the foregoing is true and correct signed by the spece for Federal or State office use)  (Chie Sgd.) GEORGE H. STEWART  APPROVED BY  TITLE  DATE  Area Engineer  DATE  DATE	REPAIR WELL	CHANGI	PLANS					_[]
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.  RECEIVED  JUL 1 7 1979  U.S. GEULUGICAL SURVEY ARTESIA, NEW MEXICO  8. I hereby certify that the foregolde is true and correct SIGNED	(Other)				(Note: Report rest Completion or Reco	ilts of multiple coi mpletion Report an	npletion on did Log form.)	Well
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Will notify when location is ready for inspection.  Work performed 7-6-79 thru 7-12-79.  RECEIVED  JUL 1 7 1979  U.S. GEULUGICAL SURVEY ARTESIA, NEW MEXICO  8. I hereby certify that the foregoing is true and correct SIGNED  (This space for Federal or State office use)  (Orig. Sgd.) GEORGE H. STEWART APPROVED BY  APPROVED BY  TITLE  DATE  DATE  DATE  DATE	w/abandonment r 7678' to 7520'; f/4000'-3850'; @ 2658' - spot	mud. Cut cs Spotted 4 50 sx f/270 ted 35 sx cm	g @ 7603' & pu 5 sx cmt f/695 0'-2550' acros nt from 2658' t	11ed. 50' to ss 9-5/ to 2550	Spotted 158' p 6800'; 45 sx f/ 8" shoe jt. WO '. Spotted 45	lug (40 sx 5450'-5300' C. Tagged	cmt) @ ; 45 sx cmt plus	g
Work performed 7-6-79 thru 7-12-79.  RECEIVED  JUL 1 7 1979  U.S. GEULUGICAL SURVEY ARTESIA, NEW MEXICO  8. I hereby certify that the foregoing is true and correct  SIGNED 1. S. Sike 1. Title Area Engineer  (This space for Federal or State office use)  (Orig. Sgd.); GEORGE H. STEWART  APPROVED BY  DATE  DATE  DATE	550'. Spot 25'	plug @ surf	. Install dry	hole	marker.			
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S. I hereby certify that the foregoing is true and correct  SIGNED A. Sike A. TITLE Area Engineer  (This space for Federal or State office use)  (Orig. Sed.) GEORGE H. STEWART  APPROVED BY  TITLE DATE  DATE  PAGE 1320			-	.nspec c	1011.		Post	6 5 8 C
JUL 1 7 1979  U.S. GEULUGICAL SURVEY ARTESIA, NEW MEXICO  8. I hereby certify that the foregoing is true and correct  SIGNED								5-2+A
8. I hereby certify that the foregoing is true and correct  SIGNED 1. Silver Area Engineer  (This space for Federal or State office use)  (Orig. Sgd.) GEORGE H. STEWART  APPROVED BY TITLE DATE						RECEI	VED	<b>)</b>
ARTESIA, NEW MEXICO  8. I hereby certify that the foregoing is true and correct  SIGNED						JUL 17	1979	
SIGNED TITLE Area Engineer  (This space for Federal or State office use)  (Orig. Sgd.) GEORGE H. STEWART  APPROVED BY					į.			
(This space for Federal or State office use)  (Orig. Sgd.) GEORGE H. STEWART  APPROVED BY	$n \circ Q$	foregoing is true e		Area	Engineer	DATE _	7-16-79	)
	(This space for Federal (Orig. Sgd.)	GEORGE H.	TRANT	1 1 h.z.	eren grant in entropy		4. P. S. S. S. S. S. S. S. S. S. S. S. S. S.	% <b>≥ 133</b> 0

Form*9-331 (May 1963)	DEDART	OCC COPY UNLED STATES	S	UBMIT IN TRIP.	on re-		u No. 42-R142
		MENT OF THE IN SEOLOGICAL SURV		rse side)		NM-6034  IF INDIAN, ALLOTTEE	
		ICES AND REPO sals to drill or to deepen of ATION FOR PERMIT—" for			0.		
OIL GAS WE'LL WELL	XX OTHER		R	ECEIV	ED 7.	UNIT AGREEMENT NA	ME
2. NAME OF OFERATOR Gulf Oi	1 Corporat	ion		APR 26 1979	8 s	FARM OR LEASE NAM hearn "D" Fe	
	ox <b>670,</b> Ho	bbs, NM 88240		n.c.c.	1		
See also space 17 be At surface	low.)	FEL, Sec 15, T23		wheels, offic	U	ndes Strawn  BEC., T., R., M., OR B  SURVEY OR AREA	
14. PERMIT NO.		15. ELEVATIONS (Show wh		•	12.	ec 15, T23S- COUNTY OR PARISH	R25E 13. STATE
		1	3754			Eddy	l nm
16.	Check A	opropriate Box To Indi	cate Nature o		or Other		
proposed work. I nent to this work.)	OR COMPLETED OF	PULL OR ALTER CASING MULTIPLE COMPLETE ABANDON* CHANGE PLANS  RRATIONS (Clearly state all ) onally drilled, give subsurfa	pertinent details	Completion or Re , and give pertinent measured and true	esults of m ecompletion dates, inclu vertical dep	ths for all markers	on Well m.) of starting an and zones pert
17# N-80 and 1 co Cement v WOC 6 ho for 30 m	O LT & C ( it jt 5 1/ vith 875 sours. TSI ain OK.	/4" hole at 11,3 2184.56'), 160 j 2" 17# N-80 LT & acks Class H .75 TOC 8610'. WOC	st 5 1/2" C (2398.5% CFR-2, 5 over 24 ho	17# K-55 LT 50'). Total 5#/sack KCL. ours. Tested	& C (66 11,333. Cement 5 1/2	570.39'), 57 .45', set at t did not ci ' casing to	jts : 11,350' :rculate.
	OCC Arte	=	n all cas.	ing strings,	•	_	#
					RE	CENVER APR 1 9 1978	SURVEY
					•	APR 1 9 1919  APR 1 9 1919  ARTESIA, NEW	MEXIO
SIGNED	3. Suk	true and correct	E Area En	gineer		DATE 4-17-	78
(This space for Federal APPROVED BY	Love a	J. Lara TITLI	E ACTING	DISTRICT ENGIN	IEER	DATE APR	2 5 1978

	NMOCC COPP			Cop	y to S.
Form 9-331 (May 1963)	Uf ED STATES PARTMENT OF THE IN	NTERIOR (Other verse s	IT IN TRIE ATE Instruction on reside)	Form approved. Budget Bureau  5. LEASE DESIGNATION AN	No. 42-R1424.
· · · · · · · · · · · · · · · · · · ·	GEOLOGICAL SURV			NM-6034 6. IF INDIAN, ALLOTTEE O	R TRIBE NAME
	NOTICES AND REPORT PROPERTY OF THE PROPERTY OF				
OIL GAS X O	THER	REC	CEIVED	7. UNIT AGREEMENT NAME	
2. NAME OF OPERATOR		8ал г	7 4 4 4075	8. FARM OR LEASE NAME	
Gulf Oil Corporation 3. ADDRESS OF OPERATOR	ion /	14191	R 1 4 1978	Shearn "D"	Federal Cc
P. O. Box 670, Ho	bbs, NM 88240		1. C. C.	1	•
4. LOCATION OF WELL (Report lo See also space 17 below.)	cation clearly and in accordance w	vith any State require	Brats DFFICE	10. FIELD AND POOL, OR W	ILDCAT
At surface	1 777 6 15 7000	- 0.5-		Undes Straw	
1980' FSL, & 1980	)' FEL, Sec 15, T23S,	, R25E		11. SEC., T., R., M., OR BLE SURVEY OR AREA	• AND
	(0)			Sec 15, T23	
14. PERMIT NO.	15. ELEVATIONS (Show wh	3754' GL		12. COUNTY OR PARISH 1	
				Eddy	NM
	eck Appropriate Box To Indi	cate Nature of N		•	
NOTICE (	F INTENTION TO:	_	SUBSEQ	QUENT REPORT OF:	-
TEST WATER SHUT-OFF	PULL OR ALTER CASING	WATE	R SHUT-OFF	REPAIRING WEL	E
FRACTURE TREAT	MULTIPLE COMPLETE	-1 1	URE TREATMENT	ALTERING CASI	
SHOOT OR ACIDIZE	ABANDON* CHANGE PLANS	(Othe	ring or acidizing [	ABANDONMENT*	
(Other)	CHANGE PLANS	-	Note: Report result	s of multiple completion on pletion Report and Log form.)	Well
17. DESCRIBE PROPUSED OR COMPLE	TED OPERATIONS (Clearly state all directionally drilled, give subsurfa	pertinent details, and	give pertinent dates	, including estimated date of	f starting any
jt 9 5/8" 40# S-9 cut jt 1360.11', with 10#/sack Gi1 200 sacks Class C 1" pipe with 600 flocele, 3% CaC12	1/4" hole at 2610' a 5 LT & C and 36# K-5 36#) total 2596', se sonite, 1/4# flocele with 2% CaCl2. Cem sacks Class C with 4 . Cement with 120 s 9 5/8" casing to 30	5 ST <sup>&amp;</sup> C (28 t at 2610'. , 2% CaC12, p ent did not c % CaC12, thic acks Thickset	jts 1236.22' Cement with clug 600 sxs circulate. WO ckset, 5#/sac	, 40#), (35 jts a 300 sacks Thickse Howco lite and C 6 hrs. Cement k gilsonite, 1/4#	thru
Started drilling	a 8 3/4" hole at 2610	0' at 1:45 PM	1 3-2-78.	San A	
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				CENED.	
				1978 1978	
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			u. 5. ARī	RESIA, NEW MEXICO	
18. I hereby certify that the fore	going is true and correct				<del></del>
signed 7. 3.	ikes 4. TITLI	Area Engi	neer	DATE 3-3-78	
(This space for Federal r St	Lala TITLE	ACTING DIST	TRICT ENGINEE	R DATE MAR 1	3 1978.

UN. ED STATES SUBMIT IN TRIPL. Budget Bureau No. 42-R1424. (May 1963) DEPARTMENT OF THE INTERIOR (Other ins 5. LEASE DESIGNATION AND SERIAL NO. GEOLOGICAL SURVEY NM-6034 6. IF INDIAN, ALLOTTEE OR TRIBE NAME 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.) 7. UNIT AGREEMENT NAME RECEIVED WELL X NAME OF OPERATOR 8. FARM OR LEASE NAME FEB 28 1978 Gulf Oil Corporation Shearn "D" Federal 3. ADDRESS OF OPERATOR 9. WELL NO. P. O. Box 670, Hobbs, NM LOCATION OF WELL (Report location clearly and in accordance with any State requirements. See also space 17 below.) 10. FIELD AND POOL, OR WILDCAT At surface Undes Strawn 11. SEC., T., B., M., OR BLE. AND SURVEY OR AREA 1980' FSL & 1980' FEL, Section 15, T-23-S, R-25-E Sec 15, T23S-12. COUNTY OR PARISH T23S-R25E 14. PERMIT NO. 15. ELEVATIONS (Show whether DF, RT, GR, etc.) 3754' GL Eddy NM 16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data NOTICE OF INTENTION TO: SUBSEQUENT REPORT OF: TEST WATER SHUT-OFF PULL OR ALTER CASING WATER SHUT-OFF REPAIRING WELL MULTIPLE COMPLETE FRACTURE TREATMENT ALTERING CASING FRACTURE TREAT ABANDON\* SHOOTING OR ACIDIZING ABANDON MENT\* SHOOT OR ACIDIZE REPAIR WELL CHANGE PLANS (Other) (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. 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 2 4 1978

U.S. BEULUGIVAL SURVEY

ARTESIA, NEW MEXICO

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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 CONDITIONS OF APPROVAL, IF ANY:	TITLE _	ACTING DISTRICT ENGINEER	DATE FEB 2 7 19	178	
•			•	. ~	

-Operator Exxon Corp. **TOPS** Yates Unit H Section 24 Township 235 Range 25e T. Salt API # 30-0 15 -- 25135 B. Salt Glorieta Bone Sp. 482/ Abo Wolfcamp Morrow Devonian Fusselman Other T. Delavare 1456. 103/4" 40.5# of set 0 377; w/ sours cement, 7" 23. # csg set 2 1419' w/ 1873 sas comen). A. V. Toul Well was sped + Drilled 1/20/1985. 3014 Well was Plugged 12/6/1985. F Peifs 4878'- 94' - 41/2" 9.5 " sel 2 5123"

w/ 695 sas cement.

UNITED STATES  DEPARTMENT OF THE INTERIOR trees and processing and		Dravor	23. NM 88210	
DEPARTMENT OF THE INTERIOR (Other passers and passes and passes and passes are received by severe door).  SUNDRY NOTICES AND REPORTS ON WELLS  (Do not use this form of proposals of the passes are received by th	om 3160—5	•	, ′	I Budget Bureau No. 1004 0125
BUREAU OF LAND MANAGEMENT  SUNDRY NOTICES AND REPORTS ON WELLS  (Do not set this fore for proposals of still professor or pice back in a different reservoir.    Control   Contr	ovember 1983)		(Other Incom: otter	Expires August 31, 1985
SUNDRY NOTICES AND REPORTS ON WELLS  (Do not care this form for propogation follows in the form of propogation follows in the form of propogation follows in the form of propogation follows:    MAY 12 1986	ormerly 9-331)			3. LEASE DESIGNATION AND SERIAL NO.
SUNDEY NOTICE AND REPORTED OF PURPOSE OF PUR		BUREAU OF LAND MANAGEME	NT	NM-0426782
(Do not use this form for proposed to define to defence or place back to a different reservoir.    Comparison   SUND	RY NOTICES AND REPORTS	ON WELLS	6. IF INDIAN, ALLOTTEE OR TRIBE NAME	
WILL   STATE OF THE PLANT   NAME OF THE PLANT			g back to a different reservoir.	
This powers of the property of that the foregoing is true and correct minors to find which we shadow of actions and beautiful and the foregoing of the west to surface of this work.]  **Processor of the control of the property of the control of the west to surface of the west.]  **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 3367' w/ 25 sx cmt., 1516' w/ 25 sx cmt. s 610' w/ 25 sx cmt. Perf 41'' 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. 5 & 12-6-85.  **The spece for Tagge, c.Barte side on the surface on both sides of csg. p. 5 & 12-6-85.  **This spece for Tagge, c.Barte side on the surface on both sides of csg. p. 5 & 12-6-85.  **PART STATE STA				7. UNIT AGREEMENT NAME
EXXON COPPORATION  DO C. D.  RATE 12 1385  MATY Federal  RATE 12 1385  MATY Federal  RATE 12 1385  MATY Federal  RATE 12 1385  RATE 13 A 150 A 1		orese Dry		
EXECUTE COPPORATION  P. O. BOX 1600, Midland, TX 79702  Discribe or stall, (Report location clearly and in accordance with any Market sequences)  1565' FRL & 200' FEL of Sec. (SE NE )  1565' FRL & 200' FEL of Sec. (SE NE )  1565' FRL & 200' FEL of Sec. (SE NE )  1565' FRL & 200' FEL of Sec. (SE NE )  1565' FRL & 200' FEL of Sec. (SE NE )  1565' FRL & 200' FEL of Sec. (SE NE )  1565' FRL & 200' FEL of Sec. (SE NE )  16 Market Dark Caryon  1756 Med Appropriate Box To Indicale Nature of Notice, Report, or Other Data  1756 Med Appropriate Box To Indicale Nature of Notice, Report, or Other Data  1850 Med Appropriate Sec. (SE NE )  18 Market BRUT-OFF  19 Market BRUT-OFF  19 Market BRUT-OFF  19 Market BRUT-OFF  19 Market BRUT-OFF  10 Market BRUT-OFF  10 Market BRUT-OFF  10 Market BRUT-OFF  10 Market BRUT-OFF  10 Market BRUT-OFF  10 Market BRUT-OFF  10 Market BRUT-OFF  10 Market BRUT-OFF  10 Market BRUT-OFF  10 Market BRUT-OFF  10 Market BR	NAME OF OPERATOR	/	MAY 1 2 1986	8. PARM OR LEASE NAME
Decrease of organics  P. O. Box. 1600. Midland. TX 79702  Decrease of white (Report location clearly and in accordance with any State Assistant Communication of white (Report location clearly and in accordance with any State Assistant Communication of white (Report location)  1565' FNL & 200' FEL of Sec. (SE NE )  1565' FNL & 200' FEL of Sec. (SE NE )  1565' FNL & 200' FEL of Sec. (SE NE )  1584 BAYANDON (Show whether Pr. Rt. os. os.)  1585 Sec. 24, 7235, R25E  1586 Sec. 24, 7235,	Exxon Corporat	ion /	MAI 12 1300	Mary Federal
P. O. Box 1600, Midland, TX 79702  Intertion or with (Report beaches clearly abd is accordance with any Male sequence of the control of the c			O.C.D.	9. WELL NO.
This space for Proved By and the accordance with any state equipmentation of the part of t	P. O. Box 1600	. Midland. TX 79702	N .	4
Mest Dark Canyon Delaw 11. 18. T. L. R. O. 18. L. A. O. 1	LOCATION OF WELL (Repo	rt location clearly and in accordance with a		10. PIBLD AND POOL, OR WILDCAT
This space for Proved by  15. Sec. 124, T235, R25E  16. Sec. 24, T235, R25E  Sec. 24, T235, R		•		West Dark Canyon Dela
Sec. 24, T235, R25E  30-015-25135  KB-3448, DF-3447, GL-3435  Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data  **ROTICE OF INTERTION TO:**  TEST WATER SECTION**  **ROTICE OF INTERTION TO:**  TEST WATER SECTION**  **ROTICE OF INTERTION TO:**  TEST WATER SECTION**  **PARCTURE TRACE**  **SECTION TO ALTER CASINO   SECTION OF THE ALTER CASINO   SECTION OF ALTERING WELL   ALT	•	15651 my c 2001 mm of a	Con (CE NE )	11. SBC., T., B., M., OR BLK. AND
This space for Forgal County and correct  INDEED BY  IN		1965, LMT & 500, LET OL 2	sec. (SE NE )	
This appear for Proved By County that the foregoing is true and correct Titles pace for Proved By County By County		ŕ		Sec. 24. T23S. R25E
Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data  Notice of Intertors to:  The water entropy	PERMIT NO.	15. ELEVATIONS (Show whether	DF, BT, GR, etc.)	
Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data  **Botics of Intention to:  **Botics of Intention to:  **PELL OR ALTER CARING**  **PRACTURE SERVICOFF**  **PRACTURE TREATMENT**  **PRACTURE TREATMEN	30-015-25135	KB-3448, DF-344	7, GL-3435	Eddy NM
THE WATER SHOT-OFF TEST WA				
TEST WATER SECTORS  PRACTURE TREAT  MULTIPLE COMPLETE  ARAPOON*  CHARGE PLANE  (Other)  CHARGE PLANE  CHOPPIC OR ACTURING  ALTERIOR CASINO  ALTE		Check Appropriate Box to indicate	Nature of Notice, Report, or	Other Data
PRACTURE TREAT  BROOT OR ACIDITE  ABARDON'  CHARGE PLANE  (Other)	NOTI	CE OF INTENTION TO:	BURGE	QUENT REPORT OF:
SECOTING OR ACIDIEN  ADARDON'S CHARGE PLANE  (Other)  (Other)  (Other)  (Note: Report results of multiple completion on Well (Completion of Mecoupheting Agents and Log form.)  DESCRIBE PROPOSE OR CONFLETED OPERATIONS (Clearly state all) pertipent details, and give pertinent dates, including estimated date of starting any bent 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 4½" 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.  MAY 0.2 1986  DIST. 6 N.M.  Bereby certify that the foregoing is true and correct increase.  This space for Ferral C-State and correct increase.  This space for Ferral C-State and correct increase.  PEROVED BY A STATE OF TITLE Section Head  DATE 04/30/86	TEST WATER SHUT-OFF	PULL OR ALTER CASING	WATER SEUT-OFF	REPAIRING WELL
SHOOT OR ACIDIER  ABANDON'S  CHARGE PLANE  (Other)  (Other)  (Other)  (Other)  (Other)  (Other)  (Other)  (Other)  (Other)  (Note: Report results of multiple completion on Well Youngletion of Recompletion of Recompletion on Well Youngletion of Recompletion of Recompletion of Recompletion on Report and Log form.)  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 4½" 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.  MAY 0.2 1986  DIST. 5 Note:  DATE 04/30/86  Tills spece for Ferral Capture and correct appropriate the surface and surface an	FRACTURE TREAT	MULTIPLE COMPLETE		_
EPAIR WELL  (Other)	SHOOT OR ACIDIZE	<del></del>	<del>   </del>	<del></del>
(Other)  (Nors: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)  Describe Photosop on complete personal control of Completion or Recompletion Report and Log form.)  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 4½" csg. at 150' w/ 4 shots and again at 100'. Could not get circulation. Tagged plug at 390' s circulated cmt. to surface on both sides of csg. P. & A 12-6-85.  MAY 0.2 1966  DIST. 6 No. 10 per 1	REPAIR WELL	CHANGE PLANE	_	
Describe Proposed on Complexed Described. If each of the proposed of the Complex	(Other)	<del></del>	(NOTE: Report result	s of multiple completion on Well
This space for Federal C. State office and pare  Approved by  Approved	CIBP was s 3067' w/ 2 at 150' w/	et at 4808' w/ 35' cmt. on 5 sx cmt., 1516' w/ 25 sx 4 shots and again at 100'	4-24-85. On 12-6-85 cmt. & 610' w/ 25 sx o	emt. Perf 4½" csg. ilation. Tagged csg. P & A 12-6-85.
I hereby certify that the foregoing is true and correct  SIGNED MC La Knipling TITLE Section Head  DATE 04/30/86  (This space for February & State office use)  APPROVED BY  Area (Area (A				MWA 05 IADD
hereby certify that the foregoing is true and correct  IGNED Milly Knipling TITLE Section Head DATE 04/30/86  This space for Friend & State office and)  PPROVED BY Area Management TITLE DATE 5-7-89		-		A mer & NA &
This space for Ferral C. State office and)  PPROVED BY  Area Management TITLE  DATE 5-7-89		-		A Comment of the Comm
This space for Ferril C. State office and)  PPROVED BY  Area Management TITLE Section Head DATE 04/30/86				ad Non in
TITLE Section Head  DATE 04/30/86  Peroved By  Area Man Title  DATE 5-7-89				- 4 Electricans designer
(This space for Federal & State office ass)  APPROVED BY  TITLE  DATE 5-7-89	hereby certify that the	foregoing is true and correct	· · · · · · · · · · · · · · · · · · ·	
APPROVED BY Area Manual TITLE DATE 5-7-89	UGNED I NOC by	1) '    '		
PPROVED BY Area Magazine TITLE DATE		a Empling TITLE	Section Head	DATE04/30/86
CONDITIONS OF APPROVAL IF ANT:		State office use)	Section Head	

Form 3160-5 November 1983)		UN ED STA		SUBMIT IN TRIP	ATE.	Budget Expire	pproved. Bureau No. s August 31,	1985
Formerly 9-331)		MENT OF TH		R verse side)			GNATION AND	SERIAL NO.
		U OF LAND MA			- <sub>e</sub>	NM-042	ALLOTTEE OR	TRIBE NAME
		ICES AND RE	epen or plug back	WELLS to a different reservoir	1		, · · · =	
1.	X OTREE	_		RECEIN THE STATE OF		. UNIT AGRE	EMBHT NAME	<del></del>
2. HAMB OF OPERATOR	20 VIB-1	01 y		<u> </u>	- 8	. PARM OR I	BASE NAME	
Exxon Corpora	tion		•	- C- C			ederal ·	
8. ADDRESS OF OPERATOR				ARTESIA, OFFICE	•	WELL NO.		
P. O. Box 160  4. LOCATION OF WELL (Re See also space 17 below	port location	nd, TX /9/02 dearly and in accorda	nce with any Sta	THE RESERVE THE PARTY OF THE PA	1		D POOL, OR WI	
At surface 1565' FNL & 2	00' FEL 6	of Sec. (SE/N	E)		1	1. SBC., T., B	M., OR BLE.	on_Delau
					Ì	Sec. 2	4, T23S,	R25E
14. PERMIT NO.	····	15. ELEVATIONS (Sh	ow whether DF, BT	, GR, etc.)	- <sub>1</sub>		R PARISE 13.	
30-015-25135		KB-3448	3. DF-3447	GI = 3/135		Eddy		NM
16.	Check A		· ·	ure of Notice, Report,	or Othe	er Data	<u> </u>	<del></del>
×	TICE OF INTER		1			EBPORT OF	:	
TEST WATER SHUT-OF	,	PULL OR ALTER CASING		WATER SHUT-OFF		221	PAIRING WELL	
FRACTURE TREAT		MULTIPLE COMPLETE		FRACTURE TREATMENT		AL7	PERING CASING	
SHOOT OR ACIDIZE		ABANDON®		SECOTING OR ACIDIZING	; 🔲	ABA	NDONMENT*	
REPAIR WELL		THANGE PLANS		(Other)				
Set plu Set plu Perf 4 Perf'd	g at 3067 g at 1516 1/2" csg. again at wellhead	olugged and all 'w/ 25 sx cr o'w/ 25 sx cr at 150'w/ 4 100'. Tagged and installe	nt. nt. 4 shots. 1 plug at	390' and circula	ited ci	nt. to :	surface.	
88. I hereby certify that the SIGNED MULLI	la Kn	ipling	yrle <u>Unit</u>	Head		DATE	_	t ID-2 24-86 NA
APPROVED BY	BOVAL IF A		ITLE		<del></del>	DATE _		

Form 3160-4 (November 1983) (formerly 9-330)	DEP		MENT C					(See struc	CTE® other Instions on rse_side)	Bud Exp 5. LEASE NM-0	DESIGNATIONS	TION AND SERIAL NO.
WELL CO	MPLETI	ON C	OR RECO	MPLET	ION I	REPORT	AN	D LO	G*	6. IF INDI	AN, ALI.	OTTEE OR TRIBE NAME
1a. TYPE OF WE	_	011.	GAS WELL		RY X	ti e	1/11	A THE TAX	<del>-</del> -	7. UNIT A	GREENEN	T NAME
b. TYPE OF COM	PLETION:	WELL	WELL (	، ب	RY LEE	Other	2 (T)	רוים כיום	14			
NEW X	WORK OVER	DEEP EN /	D PIUG [	DIF.	vr.	Other	1/1/		7, 3,	S. FARM C	R LEASE	NAME
2. NAME OF OPERA						7	20.00	77	1.5	Mary	Fede	eral
Exxon Cor	•	n V				J.	9810	~ 1 fr		9. WELL !	ю.	
3. ADDRESS OF UPE			1 607	70700		63 ac	70	8 100	W/ ñ	#4		
P. O. BOX	1600,	Midia	na, IX	79702	with an	O Claterna		- 30R	***	il .		DL, OR WILDCAT
At surface 15	65' FNI	. & 20t	O' FEL of	F Secti	ion	Self Con	37		Ż			Canyon - Delaura
At top prod. in					YAI	V 8 198	6 y	avico "		OR AR	EA	23S, 25E
At total depth					,		And of the			sec.	24,	233, ZJE
				14. PE	BMIT NO.	<del></del>	DATE	ISSUED		12. COUNT		13. STATE
				30-0	)15 <del>~2</del> 5		-	-11-84		PARISE Eddy		NM
15. DATE SPUDDED	16. DATE		HED 17. DAT	E COMPL.	_	o prod.) 18	. ELEV	ATIONS (I	of, RKB, I	RT, GR, ETC.)	3446	BLEV. CASINGHEAD
1-20-85	3-13			3-24						7, GL-3		
20. TOTAL DEPTH. MD 5125		-	ACK T.D., MD & 2-6-85	TVD 22	HOW M	TIPLE COMPL	••	23. INT	ERVALS LLED BY	ROTARY T	30L8	CABLE TOOLS
24. PRODUCING INTE				BOTTOM.	NAME (A	(DVT DEA DE	•		<b>→</b>	X	1 2	5. WAS DIRECTIONAL
				,,	,,,,	,						BURVEY MADE
												No
26. TYPE ELECTRIC		•									27. ₩	VAS WELL CORED
LDT-CNL;	DLL-MSF	<u> </u>									1	No
ZR. CABINO BIZE	WEIGHT	LB./FT.	CAS			ort all string	s set in		IENTING	RECORD	·	AMOUNT PULLED
10 3/4	40.5		377			1/4	900	0 sx C				ANOTHER PROPERTY.
7	23		1417		- <del></del>	7/8				1003 sx	CIC	
4 1/2	9.5		5123		I	1/4		5 sx C		1003 OX	<u> </u>	
	.											
29.		LIN	ER RECORD					30.	7	UBING RE	CORD	
#1ZE	TOP (MD)	) BO	TTOM (MD)	SACKS CE	MENT*	SCREEN (M	D)	SIZE	_	DEPTH SET	MD)	PACKER SET (MD)
		_								<del></del>		
31. PERFORATION REC	ORD (Inters	al, size d	ind number)	·	1	1 32.	A CI	TOHE CI	FRACT	URE, CEME	1102 TH	FEZE ETC
4878-4894	w/ 33 <sup>*</sup>	shots	acdz w	/ 2000	oale							MATERIAL USED
15% HC1.						100-48						to contain_
and CO <sub>2</sub> &						48-0						& prevent
at 4808' 1						525-85	2			sx C1H		
						624-94	5		400	sx C1C-s	set di	ue to lost
33.*			<del></del>			OUCTION				rns-See		
3-24-85	ION		ON METHOD (			-		ipe oj pun	lp)		L STATU	8 (Producing or
DATE OF TEST	HOURS TE		bls. tes	PROD'N		ole only		GASNG	*Fn .~	: Water	at DECT	(GAN-O)L RATIO
					PERIOD			<u> </u>	المناسبة أبورا	1 2,,,		
PLOW. TUBING PRESS.	CASING PR	ESSURE	CALCULATED 24-HOUR BAT	0111	3B1	GA8-	мср.		WATER-	NBC TCC	1	RAVITY-API (CORR.)
34. DIBPOSITION OF G	AB (Bold, we	ed for fue	i, vented, etc.)		<del></del>					TEST WITH	1986 Essed B	Y
35. LIST OF ATTACH	MENTS					P&A 1	2-6-		ADISE	AD, No	1. 1.1.	.A.S.C.O
36. I bereby certify	that the fo	regoing a	nd attached in	formation	is compl				ed from	all available	records	
SIGNED MA	(ha)	Kn	inlin	6~ TIT	יא. זיי	Unit H	ead			DA'	re1_	-3-86
		1/5 1-	structions of	<i></i>				P	C: J			
		(3EE 11)	Surveirons Ca	ia space	א וכו א	aginongi t		OU VEAS	13E 310	5/		

., ·		TOP	TRUE VERT, DEPTH	₽-		
	GEOLOGIC MARKERS	Ē	MEAS, DEPTH	1456 2304 4821		
	38. GEOL		NAME	Delaware Cherry Canyon Bone Spring		
	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, time tool open, flowing and shut-in pressures, and recoveries):	DESCRIPTION, CONTENTS, ETC.	700 / 63 /- 976	pies -346 w/ & 240- pluss (2-890, (5-390, at 240	P&A Information  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.	
	iow all important a erval tested, cus	воттом				
	ROUS ZONES: (Shackling depth int	TOP				_
	37. SUMMARY OF POR drill-stem, tests, in recoveries):	FORMATION				

onn 3160 50 II. Governoer 1983 DDB		STATES	SUBMIT IN TRII	Expires A	ureau No. 1004-0135 august 31, 1985
ormerly 9-331) Artesia, N	DEPARTMEN OF		R verse side)		ATION AND SECIAL NO.
1005	M SEREAU OF LAN	MANAGEMENT		NM-0426	·
(Do pot use this	ORY NOTICES AND COME FOR PROPERTY OF PROPE	D REPORTS OF			LOTTEE OR TRIBE NAME
ARTESIA, OFFIC	II	Marit— lor squa prop		7. UNIT AGREEM	INT NAME
WELL A WELL	OTESE	<del></del>			
Exxon Corpora	tion /			8. PARM OR LEAD	
ADDRESS OF OFERATOR	CION			Mary Fed	le I a I
P. O. Box 160	0, Midland, TX 7	9702		4	
LOCATION OF WELL (Re	port location clearly and in a	ecordance with any St	ate requirements."	10. FIELD AND P	OOL, OR WILDCAT
At surface 1565	FNL and 200' FEL	of Sec. 24 *5	SE/NE)	West Dar	
•	•		•	Son 24	T23S, R25E
, PERMIT NO.	15. ELEVATIO	NS (Show whether DF, RT	r, as, etc.)		PARISE 18. STATE
30-015-25135	3	446' GR		Eddy	New Mexico
	Check Appropriate Be	ox To Indicate Nat	ure of Notice, Repo	rt, or Other Data	
ne	OTICE OF INTENTION TO:	<u>.                                    </u>		SUBSEQUENT REPORT OF:	
TEST WATER SHUT-OF	PCLL OR ALTER	CYSING	WATER SHUT-OFF	REPAI	TING MEET
FRACTURE TREAT	MULTIPLE COM	I.ETE	FRACTURE TREATMEN	T ALTER	ING CABING
SHOOT OR ACIDIZE	ABANDON*		SHOOTING OR ACIDIS		ONMENT.
REPAIR WELL	CHANGE PLANS		(Other)	Status Report results of multiple complete	etion on Well
(Other)	COMPLETED OPERATIONS (Clear well is directionally drilled, a		Completion or	Recompletion Report and L	og form.)
-	@ 979' in 12 1/4' use of lost return		olug @ 642-945'	w/400 sx C1 C.	Plugs set
	plug @ .346-453' w				
2- 6-85	•	/200 sx C1 C.	No fill.		•
7-		/250 sx Cl C.			
	@ 1280'. Twisted P, DP too jt pen @				
2-17-85 Drlg	@ 992'. Pipe stuand Ream.				
	olugs @ 762-890' v				•
		v/250 sx C1 H			
		7/250 sx C1 H			
		1/250 sx C1 H			
		7/250 sx C1 H 7/250 sx C1 H			
2-21-85		7/250 sx C1 H			
		7/250 sx C1 H			
		1/258 sx 87 H	No fill	(OVER)	
hereby certify that th	e foregoing) is true and corre				
SIGNED MOLL		TITLE U	nit Head	DATE	3-14-85
(This space for Federal	•	,	·		
APPROVED BACCEF CONDITIONS OF APP		TITLE		DATE	
•	APR 2 1985			•	•
L	APK Z 1303				

\*See Instructions on Reverse Side

Form 3160—5: BY UNITED STATES SUBMIT IN TRIPL (Other Instructions) Formerly 9—331) DEPARTMENT OF THE INTERIOR verse side)  BUREAU OF LAND MANAGEMENT DD	Form approved. Budget Bureau No. 1004—0135 Expires August 31, 1985  5. LEASE DESIGNATION AND SERIAL NO. NM-0426782
SUNDRY NOTICES AND REPORTS ON WELL 210  Operant the this form for proposals to drill or to deepen or pulp back-to a different reservoir	6. IF INDIAN, ALLOTTEE OR TRIBE NAME
OIL WELL OTHER	7. UNIT AGREEMENT NAME
EXXON Corporation  ADDRESS OF OPERATOR	8. FARN OR LEASE NAME Mary Federal 9. WELL NO.
P. O. Box 1600, Midland, TX 79702  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)	10. FIELD AND POOL, OR WILDCAT West Dark Canyon-Delawa 11. SEC., T., E., M., OR BLK. AND SURVEY OR AREA
15. FLEVATIONS (Show whether DF, RT, GE, etc.) 30-015-25135 3446 GR	Sec. 24 - T23S, R25E  12. COUNTY OF PARISH 13. STATE Eddy New Mexic
Check Appropriate Box To Indicate Nature of Notice, Repor	rt, or Other Data
TEST WATER SHUT-OFF  PULL OR ALTER CASING  WATER SHUT-OFF  FRACTURE TREAT  MULTIPLE COMPLETE  SHOOT OR ACIDIZE  REPAIR WELL  CHANGE PLANE  (Note: Report	atus Report results of multiple completion on Well Recompletion Report and Log form.)
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 ClH	•
	·
signed Melba Knipling Title Unit Head	DATE 30 January 1985
(This space for Federal or State office use)  APPROVED BYACCEPTED FOR RECORD CONDITIONS OF APPROVAL IT ANY.	DATE

APR 2 1985

\*See Instructions on Reverse Side

**TOPS** Operator Collins + Ware. Inc. Yates Muley Fed. UT #1 Unit J Section 26 Township 235 Range 25c T. Salt API# 30-015 - 26975. B. Salt Glorieta Bone Sp. 4904 Abo Wolfcamp **Могтоw** Devonian Fusselman Other T. Delquare - 2098' 13 7/8" 54.50 # esg set 2" 356" w/ 520 ses coment. Circ. rter, Casing 1000-828, K . V. too / 78' V. Fool 9 5/8" 53.50# N-80 (55 set 0 2050; 1621 Perf. Dela . 4847. -95'. well and speel + Dilled 5/30/ 1892. Wall was PI-15ed 9/10/1953. P. B. T. D. V. Toul 110'. Perts 5180 - 9690 41/2" 11.60 " ceg cet > 11,540. IST w/808 ixs cement.

and Morenery.

Muley Fed.

30-015-26975

10. Field and Pool, or Exploratory Area

Conversion to Injection

9. API Well No.

Artesia. NM 88210 FORM APPROVED Form 3160-5 UNITED STATES Budget Bureau No. 1004-0135 (June 1990) DEPARTMENT OF THE INTERIOR Expires: March 31, 1993 SEP 5. Lease Designation and Serial No. BUREAU OF LAND MANAGEMENT SUNDRY NOTICES AND REPORTS ON WELLS NM 51073 CARL 6. If Indian, Allottee or Tribe Name 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 7. If Unit or CA, Agreement Designation SUBMIT IN TRIPLICATE NMNM 87873X 1. Type of Well 8. Well Name and No. Oil Gas Well

303 W.Wall. Ste. 2200 Midland TX 79701 4. Location of Well (Footage, Sec., T., R., M., or Survey Description) Dark Canvon Up Penn 11. County or Parish, State J. Sec. 26. T23S. R25E 1433' FSL & 1459' FEL Eddv NM CHECK APPROPRIATE BOX(s) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA TYPE OF ACTION TYPE OF SUBMISSION Notice of Intent Change of Plans **New Construction** Recompletion Non-Routine Fracturing Plugging Back Water Shut-Off Casing Repair

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.

Final Abandonment Notice

2 Name of Operator

3: Address and Telephone No.

Collins & Ware. Inc.

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

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)  Approved by		Patroloum är rimak		<i>i                                    </i>
Approved by Conditions of approval, if any:	Title _	PG:SSW: Co.	Date	9/28/93

RECEIVED

(June 1990)  DEPARTM BUREAU C  SUNDRY NOTICE  Do not use this form for proposals to	ES AND REPORTS ON WELLS	NM 6. If In	FORM APPROVED Budget Bureau No. 1604-0135 Expires: March 31, 1993 e Designation and Serial No. 51073 dian, Allottee or Tribe Name
SUBM	IIT IN TRIPLICATE	7. If Ut	nit or CA. Agreement Designation
I. Type of Well Oil XX Gas Well Vell Other		8. Well i	Name and No.
2. Name of Operator			ey Federal
Collins & Ware, Inc.		9. API W	
3. Address and Telephone No.	and, Texas 79701	10 6:11	and Pool, or Exploratory Area
303 W. Wall, Suite 2200, Midl	•		seshoe Bend (Straw
1433' FSL & 1459' FEL of Sec.	26, T-23-S, R-25-E	11. Coun	y, New Mexico
12 CHECK APPROPRIATE BO.	X(s) TO INDICATE NATURE OF NO	TICE, REPORT, OR	OTHER DATA
TYPE OF SUBMISSION	TY	PE OF ACTION	
Notice of Intent	Abandonment	Cha	inge of Plans
- ETT-1	Recompletion	∐ Ne₁	w Construction
XX Subsequent Report	Plugging Back	لسا	i-Routine Fracturing
<u> </u>	Casing Repair	<u> </u>	er Shut-Off
L_J Final Abandonment Notice	Altering Casing  XX Other Intermediat		version to Injection  pose Water
	Other Theory	(Note Re	port results of multiple completion on Well in or Recompletion Report and Log form (
13. Describe Proposed or Completed Operations (Clearly state give subsurface locations and measured and true ver 4 12.25" hole was drilled to 2050' K.B. on 6 drilled to 2050'. A caliper log was run prior external casing packer (a copy of Cardinal W and S-95 Buttress casing was run and set at D.V. tool at 778.08' from surface. Cemented to and 10# Cal-Seal. (2.01 cu.ft./sk. yield, 12 cu.ft./sk., 14.8#/gallon weight). Dropped b with 275 sacks Halliburton Lite with 1/4# to 12.7#/gallon). Tailed in with 100 sacks Proposed in the conducted Waith a total of 570 sacks cement. Tested BOP.  NOTE: A cement Bond Log will be conducted on Witnessed by the BLM.  14. Thereby certify that the foregoing is true and correct.	rical depths for all markers and zones pertinent to this w /3/92. Full returns were lost while of to running casing to determine the besireline field print is enclosed). 9.625'2050' K.B. Top of external casing packing irst stage: 475 sacks Hallaiburton Litt. 7*/gallon), tailed in with 200 sacks omb and waited 6 hours, cement did not locele/sk., 4% CACL2, and 6* Gilsonitemium Plus with 4% CACL2 and 6* gilted on cement for 3.5 hours and ran research sement each run. Top of cement ce. Set slips and nippled up, test to 24 stack, safety valve to 5000 psig, test the 9.625" casing prior to running the the 9.625" casing prior to running the	imated date of starting any proposed ork.)*  Irilling at 920' K.B. The st possible setting depth "43.50, 47, and 53.50 er at 828.41' from sur se with 1/2#/sk., floce Premium Plus with 2% t circulate. Cemented Site, (1.84 cu.ft./sk. yiel Isonite (1.32 cu.ft./sk., mperature survey, no cut 686' after tenth run. 100 psig with rig pump. 100 psig.	e hole was dry for the for the face. Top of le, 2% CACL2, cond Stage: d, cement top. Rig Cemented Cemented
Signed Abundan	Title Agent for Collins 8	Wane, Inc 100 Pate	6/8/92
(This space for Federal or State office use)	/-	100	
Approved by	Title	LSBAD, NEW MEXI	
		A PAR MEXI	

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 tenresentations as to any matter within its jurisdiction.

c15 \$

#### RECEIVED

	WECEIAED	
(June 1990) DEPARTME	JUN 1 1 1992 NT OF THE INTERIOR LAND MANAGEMENT O. C. D.	FORM APPROVED Budget Bureau No. 1004-0135 Expires: March 31, 1993  5. Lease Designation and Serial No. NM 51073
Do not use this form for proposals to d	S AND REPORTS ON WELLS  Irill or to deepen or reentry to a different reservoir.  OR PERMIT—" for such proposals	6. If Indian, Allottee or Tribe Name
SUBMI	T IN TRIPLICATE	7. If Unit or CA, Agreement Designation
1. Type of Well		
Oil XX Gas Other		8. Well Name and No. Muley Federal
2. Name of Operator Collins & Ware, Inc.		9. API Well No.
3. Address and Telephone No.		1
303 W. Wall, Suite 2200, Midla	nd. Texas 79701	10. Field and Pool, or Exploratory Area
4. Location of Well (Footage, Sec., T., R., M., or Survey L	,	Horseshoe Bend (Stra
,		11. County or Parish, State MOTT
1433' FSL & 1459' FEL of Sec.	26, T-23-S, R-25-E	
		Eddy, New Mexico
CHECK APPROPRIATE BOX	(s) TO INDICATE NATURE OF NOTICE, REPOR	T, OR OTHER DATA
TYPE OF SUBMISSION	TYPE OF ACTION	
Notice of Intent	Abandonment	Change of Plans
	Recompletion	New Construction
Subsequent Report	Plugging Back	Non-Routine Fracturing
	Casing Repair	Water Shut-Off
Final Abandonment Notice	Altering Casing	Conversion to Injection
	XX Olher Spud & Surface Casing	Dispose Water (Note: Report results of multiple completion on Wel Completion or Recompletion Report and Log form
Describe Proposed or Completed Operations (Clearly state algive subsurface locations and measured and true vertice)	Il pertinent details, and give pertinent dates, including estimated date of starting and depths for all markers and zones pertinent to this work.)*	iny proposed work. If well is directionally drill
	•	
		<u>.</u>
	•	·
	•	
MaVau Dia Na an an ar a ammus s		
	t 7:45 AM May 30, 1992. The 17.5" hole was drille	
Computed with 770 cools Drawing Disc	, and 54.50#/ft., K55 ST&C casing was run and set :	at 356' K.B.
	with 2% CACL2 (1.32 cu.ft./sk. yield, 14.8#/gallo	
	cement with 4% CACL2 (1.32 cu.ft./sk. yield, 14.8	≠/gallon).
Weited on coment 25 hours Tested until	irculated 140 sacks cement to reserve pit.	
marted on cement 25 hours. Tested Well	head to 500 psig, and casing to 500 psig, O.K.	
Witnessed by the BLM.	·	
4. I hereby certify that the foregoing is true and correct		
Signed & Elburhan	Title Agent for Collins & Ware, Inc	. Date 6/8/92
(This space for Federal) or State office use)		
Approved by Approved by	All Title	Date
Conditions of approval, if any N 0 1992		

Operator Cocione Drace Well Cueva Unit # 1
Unit K Section 6 Township 23-5 Range 26-e API # 30-0 15 - 2136Z 16" 54 d caring set 2 255. w/490 sxs c1. (. CITC. 113/4" 42# casing set D 1257 w/490 sts c1. (. Circ . 85/8" 24#132# casing set 2 4915! w/ 540 srs Hall. Lite, 150885 CL.C. toc- 1180' by Temp. Survey,

Yates
T. Salt
B. Salt
Glorieta
Bone Sp.
Abo
Wolfcamp 8470'
Morrow 10,300'
Devonian
Fusselman
Other

Straun Perfi 9991-95' 10,168-255!

\_ 51/2" 17# casing set 0 11,618.

w/1350 ses C1. H,

T.o.c. - 6900'. by Temp. Survey.

• • •	•	•	• •			•	
. a. Ob conice pactiv							
NO. OF COPIES RECEIVE	ED 3					Form C-103 Supersedes (	O <i>la</i>
DISTRIBUTION						C-102 and C	
SANTA FE	<del>-   '   .  </del>	NEW A	MEXICO OIL C	ONSERVATION		Effective 1-1	-65
FILE				R	ECEIVE	· D	
U.S.G.S.						2a. tratcate ' Ab	ـــا
LAND OFFICE						State 2	Fee L
OPERATOR					DEC 2 6 1974	5. State Oil & G K-4535	as Lease No.
	SUNDOV	NOTICES AN	D DEDORTE	ON WELL C		iiiiiiii	mimm
HY BEU TON OC)	IS FORM FOR PROPERTIES	NUTICES AND SALS TO DRILL OR PERMIT -"	TO DEEPEN OR PE	ON WELLS	ERENTRESERVOIR.		
):L	GAS WELL TO	OTHER-				7. Unit Agreeme Cueva U	Init
Corinne G	race /					8. Form or Leas  Cueva Un	
P. O. Box	1418, Carl	sbad, New I	Mexico			9. Well No.	
Location of Well						10. Field and Pa	ool, or Wildeat
UNIT CETTER	1	980 FEET FRO	OM THE SOU	th LINE AND_	1980	Wildcat	
THE West	LINE, SECTION	6	TOWNSHIP	S RANGE	26E	ирм.	
		15, Elev	ration (Show whe	ther DF, RT, GR,	etc.)	12. County Eddy	
IS. NO PERFORM REMEDIAL WOR TEMPORARILY ABANDON	OTICE OF INT	ENTION TO:	X To Indicat  JG AND ABANDON	REMEDIAL W	·	ENT REPORT OF:	RING CASING
PULL OR ALTER CASING		СНА	ANGE PLANS		AND CEMENT JOB		
OTHER				OTHER	***************************************	<del></del>	
17. Describe Proposed o work) SEE RULE 1	or Completed Oper	ations (Clearly st	tate all pertinent	details, and give	pertinent dates, inclu	ding estimated date of	starting any proposed
11/26/74	Cemented 2 circulated W.O.C. 24	l to surfac	54# surfa e. Pumped	ice casing v I 16" wooder	with 490 sacks n plug down a	s Class "C" w, t 8:38 a.m.	/2% Cal. Cl.
5. I hereby certify how	- 10	ove is true and co		est of my knowledg	e and belief.	12/2	0/74
16NED	12 (	<u> </u>	TITLE_			DATE	
PP2/E2 8/	U. In	issett	TITLE	SUPERVISOR	, DISTRICT II	DATE JAN	1 6 1975

CONDITIONS OF APPROVAL, IF ANY:

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	. 1		•	(		
• ** *** • ** **	•				· .	
-0. OF COPIES PETETVED 3				•	Form C-103	
NOITUEIFTZIC					Supersedes Old C-102 and C-103	•
PANTA FE	NEW MEXIC	O OIL CONS	ERVATION COMMIS	TOK-	Effective 1-1-65	
= 1 L = 1 L	•		. K E I	_	W	
7.3.0.5.	•				State XX	Fee [
DPERATOR I		,	Jui	1 1 6 1975	5. State Oil & Gas Lease	
	•				K-4535	
SUNDR'	Y NOTICES AND RE	PORTS ON	WELLS	3. C. C.		111111
(DO NOT USE THIS FOR UP TO AND DE USE "NAPOLICAT!	Y NOTICES AND RESERVED RESERVED FOR THE PROPERTY OF THE PROPER	EPEN OF PLUS S C-101) FOR 502	ACK TO A DIFFERENTIES	ख्र√ðm.∪FFICE	<u>:(111111111111111111111111111111111111</u>	
DIE GAS				. •	7. Unit Agreement Name	
Sik Waki Aas	3T-12+				Cueva Unit	
Corime Grace					Cueva Unit	
2. Address of Operator	<del>, , , , , , , , , , , , , , , , , , , </del>		<del></del>		9. Well No.	
P. 0. 30x 1413, Carl	stad, Hew Mexic	o 88220			1	
4. Location of Well			2000		1J. Field and Pool, or Wild	aic:at
UNIT LETTER X	1980 FEET FROM THE	South	LINE AND	FEET FROM	Wildort inde	e e
***	•	225	26E			
The West Line, SECTIO	n Town!	23S	RANGE	NMPM.		
	15. Elevation	(Show whether	DF, RT, GR, etc.)		12. County	44444
			3418.7		Eddy	
Check A	Appropriate Box To	Indicate N	ature of Notice I	Report of Oth	ner Data	777777
NOTICE OF IN		marcate 1		_	REPORT OF:	
PERFORM REMEDIAL MORK	PLUG AND	ABANDON	REMEDIAL WORK		ALTERING CASIN	٠
TEMPCHARILY ABANDON			COMMENCE DRILLING OF	PNS.	PLUG AND ABANDI	ONMENT
				6 <del>77</del> 78		
PULL OR ALTER CASING	CHANGE P	LANS	CASING TEST AND CEME	ВОС ТИ		
	CHANGE P	LANS	CASING TEST AND CEME	. В ДД		
PULL OR ALTER CASING	CHANGE P	LANS		ХХ арцти		
17. Describe Proposed of Completed Ope			OTHER		estimated date of starting a	ny proposad
17. Describe Proposed of Completes Operator's SEE RULE 1933.	erations (Clearly state al	l pertinent deta	OTHER	dates, including	estimated date of starting a	ny proposad
17. Describe Proposed or Completes Operark) SEE RULE 1733.  Ran and set 11 3/li	ermons (Clearly state al	I pertinent deta	other	dates, including	estimated date of starting a	ny proposed
17. Describe Proposed or Completes Operator's see Rule 173.  Ran and set 11 3/h  Cemented with 515 s	ermions (Clearly since al " 1:2=/ft. H-1:0 sks. Class "C"	ST&C Casi	other	dates, including		:
Pan and set 11 3/hi Camented with 515 : Set first plug @ 75	ermons (Clearly suite al " 12=/ft. H-10 sks. Class "C" 38 ft. w/50 sac	ST&C Casi cement, 1 ks, Secon	other ails, and give pertinent ang Range 3 at 1 sks. CaCl. ad plug @ 788'	dates, including 1257' w/50, sks,	third plug @ 788	: 3' w/50 s!
Pan and set 11 3/h Cemented with 515 s Set first plug 3 f Set Fourth plug 3 f	" 12#/ft. H-h0 sks. Class "C" S6 ft. w/50 sac 608' w/50 sks,	ST&C Casi cement, 1 ks, Secor set Plug	other	dates, including 1257' w/50, sks, '50 sks, S	third plug @ 788 et Plug #6 @ 355	s' w/50 si ft. 50 si
Pan and set 11 3/h Cemented with 515 s Set first plug 3 75 Set last plug 3 355	" 12#/ft. H-h0 sks. Class "C" S6 ft. w/50 sac 608' w/50 sks, 5 to surface 15	ST&C Casi cement, 1 ks, Secor set Plug O sks. Re	other	dates, including  1257'  w/50, sks, /50 sks, Sons (circula	third plug © 788 et Plug #6 @ 355 ated). WOC 24 hrs	3' w/50 si ft. 50 si
Pan and set 11 3/h Camented with 515 s Set first plug 3 75 Set last plug 3 355 NOTE: Cemented water	" 12#/ft. H-h0 sks. Class "C" 68 ft. w/50 sac 608' w/50 sks, 5 to surface 15	ST&C Casi cement, 1 ks, Secon set Plug 0 sks. Redders price	nd Range 3 at l sks. CaCl. d plug @ 788' 5 @ 400 ft. we continue or to running I	dates, including  1257'  w/50, sks, /50 sks, Sens (circulated)	third plug @ 788 et Plug #6 @ 355 ated). WOC 24 hrs sing by displacin	1' w/50 si ft. 50 si s.
Pan and set 11 3/hi Camented with 515 s Set first plug @ 75 Set last plug @ 355 NOTE: Cemented water plugs from 100	" 12 / ft. H-10 sks. Class "C" Sc ft. w/50 sac 603' w/50 sks, 5 to surface 15 -? r flow and boul 2' to 230'. Te	ST&C Casi cement, lks, Secon set Plug O sks. Reders pricested below	ng Range 3 at 1 sks. CaCl. d plug @ 788' 5 @ 400 ft. we confull return to running a low 16" casing a	dates, including  1257'  w/50, sks, /50 sks, Sens (circulated)	third plug © 788 et Plug #6 @ 355 ated). WOC 24 hrs	1' w/50 si ft. 50 si s.
Pan and set 11 3/h Cemented with 515 a Set first plug 0 75 Set Fourth plug 0 355 NOTE: Cemented water plugs from 406 cement plugs,	" 1.2#/ft. H-h0 sks. Class "C" St. w/50 sac 608' w/50 sks, 5 to surface 15 _? r flow and boul 2' to 230'. Te	ST&C Casi cement, lks, Secon set Plug O sks. Reders price sted beloon. Plug	ng Range 3 at 1 sks. CaCl. d plug @ 788' 5 @ 400 ft. we confull return to running a low 16" casing a	dates, including  1257'  w/50, sks, /50 sks, Sens (circulated)	third plug @ 788 et Plug #6 @ 355 ated). WOC 24 hrs sing by displacin	1' w/50 si ft. 50 si s.
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Pan and set 11 3/h Cemented with 515 s Set first plug 3 75 Set Pourth plug 3 355 NOTE: Cemented water plugs from 400 cement plugs,	" 12#/ft. H-h0 sks. Class "C" Sc ft. w/50 sac 608' w/50 sks, 5 to surface 15 ? r flow and boul 2' to 230'. Te lost circulati	ST&C Casi cement, lks, Secon set Plug O sks. Rested beloon. Plug	other mils, and give pertinent ing Range 3 at 1 sks. CaCl. id plug @ 788' 5 @ 400 ft. where the full return for to running fow 16" casing a gs held.	dates, including  1257' w/50, sks, /50 sks, Sons (circulated)  11 3/4" cannot 270' with	third plug @ 788 et Plug #6 @ 355 ated). WOC 24 hrs sing by displacing th 250 psi. Dril	ft. 50 sl ft. 50 sl s. ag 5 ceme: led out
Pan and set 11 3/h Cemented with 515 s Set first plug 3 75 Set Pourth plug 3 355 NOTE: Cemented water plugs from 400 cement plugs,	" 12#/ft. H-h0 sks. Class "C" Sc ft. w/50 sac 608' w/50 sks, 5 to surface 15 ? r flow and boul 2' to 230'. Te lost circulati	ST&C Casi cement, lks, Secon set Plug O sks. Rested beloon. Plug	other	dates, including  1257' w/50, sks, /50 sks, Sons (circulated)  11 3/4" cannot 270' with	third plug @ 788 et Plug #6 @ 355 ated). WOC 24 hrs sing by displacin	ft. 50 sl ft. 50 sl s. ag 5 ceme: led out
17. Describe Proposed or Completes Operator's SEE RULE 1703.  Ran and set 11 3/hi Cemented with 515 a Set first plug 3 75 Set Fourth plug 3 6 Set last plug 3 35  NOTE: Cemented water plugs from 400 cement plugs,  See Ellech	" 12#/ft. H-h0 sks. Class "C" Sc ft. w/50 sac 608' w/50 sks, 5 to surface 15 ? r flow and boul 2' to 230'. Te lost circulati	ST&C Casi cement, laks, Secon set Plug O sks. Red beloon. Plug	other	dates, including  1257' w/50, sks, /50 sks, So is (circula  11 3/4" ca at 270' wi	third plug @ 788 et Plug #6 @ 355 ated). WOC 24 hrs sing by displacing th 250 psi. Dril	ft. 50 sl ft. 50 sl s. ag 5 ceme: led out
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#### RECEIVED

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

OCT 9 1974

O. C. C. ARTESIA, OFFICE

September 14, 1974

Spudded at 9:60 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

EDrilled 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.

Cotober 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 ECTION 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. NOV 6 1974
	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 \(\frac{1}{2}\)ocation.
	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.
ښونو ا	November 2, 1974	Cleaning out and drilled from 2651 to 2671 in rock.

Cleaning out and drilled from 267' to 268' in rock.

November 3, 1974

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

Movember 30, 1974	Drilled 260' to 265' in lime, 152" hole RECEIVED
December 1, 1974	Drilled 265' to270' in lime. DEC 3 0 1974
Décember 2, 1974	Drilled 270' to 275' in lime.
December 3, 1974	Drilled 275' to 281' in line.
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 293' to 296' in lime.
December 8, 1974	Drilled 296' to 300' in lime.
December 9, 1974	Drilled 300' to 305' in lime ingub.
December 10, 1974 December 11, 1974	Drilled 305' to 306' in lime and gyp Drilled 306' to 309' in lime and gyp
December 12, 1974	Drilled 309' to 312' 162 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.
Dacamber 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 anahydrite.
December 22, 1974	Drilled from 355' to 360' lime in anahdrite.
December 23, 1974	Drilled from 360' to 365' lime in anahdrite.
December 24, 1974	Drilled from 365' to 371' lime in anahydrite.
• • • • • • • • • • • • • • • • • • • •	

Shut down.

Drilled from 371' to 375' lime in anahydrite.

Secember 25, 1974

December 26, 1974

Drillad from 375! to 378! lime and anabydrite. December 27, 1974 Drilled from 378' to 380' lime and analydrite December 28, 1974 RECEIVED Drillad from 380' to 382! lime and analydrite. December 29, 1974 Drilled from 3821 to 3851 lime and analydrite. December 30, 1974 **并在22-1975**。 Drilled from 385' to 387 lime and analydrite. December 31, 1974 Drilled from 387' to 390 lime and analydrite. January 1, 1975 Drilled from 390'to 393" lime and analydrite. January 2, 1975 January 3, 1975 Drilled from 393 to 395 lime and gyp. (problems with hole caving.) Drilled from 395 to 397 lime and gyp. (problems with hole caving. January L, 1975 January 5, 1975 Drilled from 397' to 400 lime and gyp. (problems with hole caving.) Drilled from 400' to 403' lime and gyp. January 6, 1975 Drilled from 403' to 406 lime and gyp January 7, 1975 January 8, 1975 Cleaning out. January 9, 1975 Cleaning out. Drilled from 406' to 408' lime and gyp. January 10, 1975 Drilled from 408' to 410' lime and gyp. Jamary 11, 1975 January 12, 1975 Drilled from 410 to 412 lime and gyp. January 13, 1975 Drilled from 412' to 414' lime and gyp. January Lt. 1975 Drilled from hill to 417 lime and gyp. Drilled from 417' to 420 lime and gyp January 15, 1975 Drilled from 420 to 423 lime and grp January 16, 1975 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

January 23, 1975

Cleaning out. Cleaning out.

O. C. C. ARTESIA, OFFICE

- 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 & samd bridge 2 hrs. Trip F/DC 2½ hrs. Drlg & Wash down 800° to 1020 From 1020° to 1171° Dept. 1130° Dev. 20 3½ hr. finish wast to bottom 6 hrs. drlg ¼ hr. Survey 3½ 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 3½ hrs. mix mud & trip in hole ½ hr. d From 1201 to 1257 ½ hr. Pull 3sks D.P. 2½ hrs. Mix mud & Trip in hole 3 3/4 hrs. drlg 1½ hrs. circ. From 1257 Dept. 1257 Dev. Pump Mud slug in hole 3/4 hrs. 3/4 hrs. trip out to run csng ½ hrs. rig up & run Csng ½ hr. rig up Halliburton & break circ. 3/4 hrs. cementing CSNG 3/4 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 line pipe by 11 3/4 CSG
  3 hrs. working line pipeby CSNG is hr. Break circ. & cementing
  3 hrs. WOC is 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 nippling up Go in hole W/5 DC & DP to drill Plug Test 11 3/4 CSG W/900 lbs. OK Drill Cement Plug & shoe joint From 1257' to 1335' in anhy. & Lime 2 hrs. Drlg Cement & Shoe Jr. 1/2 hr. Drlg 1 3/4 hrs. Trip Fl D.C. & Two stb 3 3/4 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 h, 1975 From 1476' to 1630' in anhy. & lime 8 hrs. drlg
    From 1630' to 1780' in lime Depth. 1650' Dev. 120 3/4 hrs. Drlg
    hr. totco 64 hrs. Drlg. From 1780' to 1876 in lime Depth. 1870'
    Dev. 1 4 hrs. drlg 34 hrs. trip lay down reamers change 1 barrel
    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. 3/4°
    7½ hrs. drilling ½ 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. Totoo 2 hrs. Dril
    From 2970 to 3270 in lime 8 hrs. drilling.
  - June 7, 1975 From 3270 to 3517 Depth 3335 Dev. 3/4° 2 hrs. drilling ½ hr. Dev Survey on W.H. 5½ hrs. drilling From 3517 to 3711 in lime 8 hrs.c From 3711 to 3887 in lime Depth 3905 Dev. ½° 6½ hrs. drilling ¼ hr. survey 2½ hrs. drilling

# NEW MEXICO OIL CONSERVATION COMMITSSION DRAWER DD ARTESIA, NEW MEXICO

### FIELD REPORT FOR CEMENTING OF WELLS

Type of Equipment All Alam. CT  APPROVED CASING PROGRAM  Size of Hole Size of Casing Weight Per New or Used Depth Sacks Cement Foot.  APPROVED CASING PROGRAM  Size of Hole Size of Casing Weight Per New or Used Depth Sacks Cement Foot.  APPROVED CASING PROGRAM  Size of Hole Size of Casing Weight Per New or Used Depth Sacks Cement Foot.  APPROVED CASING PROGRAM  Size of Hole Size of Casing Weight Per New or Used Depth Sacks Cement Foot.  APPROVED CASING PROGRAM  Size of Hole Size of Casing Weight Per New or Used Depth Sacks Cement Foot.  APPROVED CASING PROGRAM  Size of Hole Size of Casing Weight Per New or Used Depth Sacks Cement Foot.  APPROVED CASING PROGRAM  APPROVED CASING PROGRAM  Size of Hole Size of Casing Weight Per New or Used Depth Sacks Cement Foot.  APPROVED CASING PROGRAM  APPROVED CASING PROGRAM  Foot.  APPROVED CASING PROGRAM  APPROVED CASING PROGRAM  APPROVED CASING PROGRAM  APPROVED CASING PROGRAM  APPROVED CASING PROGRAM  APPROVED CASING PROGRAM  APPROVED CASING PROGRAM  APPROVED CASING PROGRAM  These of Equipment All All Approved Depth Sacks Cement Foot.  APPROVED CASING PROGRAM  APPROV	Operator	e Dra	4_	Lease	Linix.	<i>,</i>	Well #	1	*
APPROVED CASING PROGRAM  Size of Hole Size of Casing Weight Per New or Used Depth Sacks Cement Foot.  20" 16" 65 100 200  12" 36 2660 1735 Caic.  8"2" 5"2" 13547 160 700  Casing Data:  KE 756.L. 18 2 5 7  (Approved) (Regard Casing Hole 5-3/-75  Cementing Program  Size of hole 14" Size of Casing 11" Sacks cement required 546 0 0 57  Type of Shoe used GC10E Float collar used 1852RT Btm 2 its welded YEZ  TD of hole 1257 180 5 Eeet of 13 Inch 42 # Grade H to. STIC. New MI R.3  New-used csg. 81257 180 5 additives 216 CA (Max MI R.3  New-used csg. 81257 180 5 additives 216 CA (Max MI R.3  Plug down 9 10" (AR) (PM) Date 5-3/-75  Cement circulated No No. of Sacks  Cemented by How 9 Witnessed by Cement 9 1000'  Casing test 9 (AM) (PM) Date  Method Used Witnessed by Checked for shut off 9 (AM) (PM) Date  Witnessed by Witnessed by Checked for shut off 9 (AM) (PM) Date  Witnessed by Witnessed by Checked for shut off 9 (AM) (PM) Date  Witnessed by Witnessed by Checked for shut off 9 (AM) (PM) Date  Witnessed by Witnessed by Checked for shut off 9 (AM) (PM) Date  Witnessed by Witnessed by Checked for shut off 9 (AM) (PM) Date  Witnessed by Witnessed by Checked for shut off 9 (AM) (PM) Date  Witnessed by Witnessed by Checked for shut off 9 (AM) (PM) Date  Witnessed by Checked for shut off 9 (AM) (PM) Date  Witnessed by Checked for shut off 9 (AM) (PM) Date	Location	Unit K 19805+ W	Section	Town	ship	Range	County	4	
Size of Hole Size of Casing Weight Per New or Used Depth Sacks Cement  20"	- 1		-	Тур	e of Equ	ipmen	t affect	Bin	cT
Foot   124"   16"   65			APPROV	ED CASING P	ROGRAM				
12/4"   9   36   735 Circ.   9/3"   5   2"   15   17   160   700     Casing Data:		le Size	of Casing		r New c	r Use	d Depth	Sacks	s Cement
Casing Data:  KB 73 G.L. /8 S.F.  KB 73 G.L. /8 S.F.  KB 73 G.L. /8 S.F.  KB 73 G.L. /8 S.F.  KB 73 G.L. /8 S.F.  KB 73 G.L. /8 S.F.  KB 73 G.L. /8 S.F.  KB 73 G.L. /8 S.F.  KB 73 G.L. /8 S.F.  KB 73 G.L. /8 S.F.  KB 73 G.L. /8 S.F.  KB 73 G.L. /8 S.F.  KB 73 G.L. /8 S.F.  KB 73 G.L. /8 S.F.  KB 73 G.L. /8 S.F.  KB 73 G.L. /8 S.F.  Grade H 40. STAC, New AF/  Gate S-3/-75  Cementing Program  Gate S-3/-75  Coment of hole /4 H Size of Casing // A Sacks cement required 5 46 co/FT  Fype of Shoe used Gc/10 F Float collar used /N S.F.  Fype of Shoe used Gc/10 F Float collar used /N S.F.  Fype of Shoe used Gc/10 F Float collar used /N S.F.  Fype of Shoe used Gc/10 F Float collar used /N S.F.  For of hole /257 / S.S.  Feet of // A Inch 42 # Grade H 40. STAC, New AF/ R.  New-used csg. @ /257 / K.S.  Without AF/  Sacks cement around shoe 27 C.A.  Coment circulated No sacks neat cement around shoe 27 C.A.  Coment circulated No No. of Sacks  Comented by Howed Witnessed by Coment @ 1000'  Casing test @ (AN) (PM) Date  Method Used Witnessed by  Checked for shut off @ (AN) (PM) Date  Method used Witnessed by  Checked for shut off @ (AN) (PM) Date  Memarks: 16 X 65 SET G. 272 K.B. CMD Tr. SOC (ACE)	20"		6 "	65			100	200	
Surface 54 joints of 1/3/ inch 42 # Grade H + 60- STRC, NEW API  RANGE 3 (Approved) (Rejected)  Inspected by fear (Surgetion date 5-3/-75  Cementing Program  Size of hole 1434 Size of Casing 1/34 Sacks cement required 545 edger  Type of Shoe used Galoe Float collar used INSERT Btm 2 its welded YET  TD of hole 1/257KBSet Feet of 1/3/Inch 42 # Grade H + 60. STRC, New BPI R3  New-used csg. 2/257KBwith 160 sacks neat cement around shoe 27. Ca Clair  Plug down 2/0 (AM) (PM) Date 5-3/-75  Cement circulated No No. of Sacks  Cemented by How 20 Witnessed by fear (Social Computation Casing test 2 (AM) (PM) Date  Method Used Witnessed by Constant and Computation (AM) (PM) Date  Method Used Witnessed by Witnessed by Checked for shut off (AM) (PM) Date  Method used Witnessed by Witnessed by Checked for shut off (AM) (PM) Date  Method used Witnessed by Witnessed by Checked for shut off (AM) (PM) Date  Method used Witnessed by Witnessed by Witnessed by Checked for shut off (AM) (PM) Date  Method used Witnessed by Witnessed by Witnessed by Checked for shut off (AM) (PM) Date		9	359"	36	<u> </u>				aic.
Surface 54 joints of 1/3/ inch 42 # Grade H + 60- STRC, NEW API  RANGE 3 (Approved) (Rejected)  Inspected by fear (Surgetion date 5-3/-75  Cementing Program  Size of hole 1434 Size of Casing 1/34 Sacks cement required 545 edger  Type of Shoe used Galoe Float collar used INSERT Btm 2 its welded YET  TD of hole 1/257KBSet Feet of 1/3/Inch 42 # Grade H + 60. STRC, New BPI R3  New-used csg. 2/257KBwith 160 sacks neat cement around shoe 27. Ca Clair  Plug down 2/0 (AM) (PM) Date 5-3/-75  Cement circulated No No. of Sacks  Cemented by How 20 Witnessed by fear (Social Computation Casing test 2 (AM) (PM) Date  Method Used Witnessed by Constant and Computation (AM) (PM) Date  Method Used Witnessed by Witnessed by Checked for shut off (AM) (PM) Date  Method used Witnessed by Witnessed by Checked for shut off (AM) (PM) Date  Method used Witnessed by Witnessed by Checked for shut off (AM) (PM) Date  Method used Witnessed by Witnessed by Witnessed by Checked for shut off (AM) (PM) Date  Method used Witnessed by Witnessed by Witnessed by Checked for shut off (AM) (PM) Date	<del></del>		2"	13.8.17		,	11500	700	
Casing test @ (AM) (PM) Date  Witnessed by  Checked for shut off @ (AM) (PM) Date  Witnessed by  Remarks: 16"x65" SET @ 272 K.E. Cand Tr. Surface	EANGE 3  Inspected to Cementing For Size of hole of Short Control of Hole of Short Control of the Sew-used control of Cement circles of the Sew-used Control of Cement circles of the Sew-used S	rogram e 14 3/4 be used Gu /257/686 gg. @ 1257 eax 5 #6/15 culated  #6 w	Size of Control of the Fee (ABWith / ABWITH / AB	asing // 4 ollar used / t of // 4Incl co sacks radditives // Date 5-3 No. With	Sacks of MSERTBURN A 2 # neat cen  CA (4)  of Sack nessed by	date_cement in 2 j Grade cent a	required to welded H-40. STA round sho	75 1 545 1 YES Q, New De 2700	PAPIR3
Checked for shut off @ (AM) (PM) Date  lethod used   Witnessed by  Remarks: 16"x65" SET@272-K.E. Cand Tr. Surface	Casing test	, @		M) Date					· · · · · · · · · · · · · · · · · · ·
Nethod used Witnessed by  Remarks: 16"×65" SET @ 272' K.E. CMID TY SURFACE			(AM			, <u>y</u>	<u> </u>	•	
Remarks: 16"x65" SET@272 K.E. CAND TY SURFACE		,				у		·	
1134 CENT @ 1247 & 1217 - BASKETS @ 929, 889, 847; 808			2272 K.E.						
,	1/34 CENT @	1247 (5)	1217- BAS	KETS & 925	7, 889	. 847	15808	<del></del>	
TAS BOTTO AN WITEMP BOINE @ 1189' & 510 6-1-75		AT Anular is	. 9 TRY IN 1	194 X AM AND 8° IN PLACE 8°	G GZO	Follow Parks -	/-75	rons rullio	n Poir las

"d= BRIDGE @ 413-504 SO BROGE ON OPEN HOLE 1257

# NEW MEXICO OIL CONSERVATION COMMISSION DRAWER DD ARTESIA, NEW MEXICO

# FIELD REPORT FOR CEMENTING OF WELLS

Location of Well  Drilling Contractor  Size of Ho	Unit <b>K</b> 19805+ W	Section	1	Township	Range	County	
Contractor				- •	26	المراكب	<b>5</b>
Size of Ho				Type of	Equipmen	t affat	Bun. CT
Size of Ho		APPROV	VED CASIN	NG PROGR.	<u>M</u>		
	le Size	of Casing	Weight Foot	. 1	ew or Use	d Depth	Sacks Cement
20"		6"	65			100	200
12/4"	·	954"	36			2660	1735 cic.
8/2"	51	<b>'2 ''</b>	13.50	17	· .	11800	700
Casing Dat	a:		K£	10 G.L.	18 CEFT.		
INTER 5.	d ininta	of 1/3/1.				). इ <b>ा</b> ईट	NEW API
BANGE 3			.,,			//	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,
Inchested	hy	Approv	rea) (l <del>te.</del>	<del>) - ( - ( )</del>			•
rushecced	uy freez	Burget	row		aate_	<u> き "3/ ~</u>	/5
Cementing 1	Program	Ť		,			
Size of ho	le <u>/4<sup>3</sup>/4</u>	Size of C	Casing_//	13/4 Sac	ks cement	required	545 CU/FIT
		, DE Float c					
							C, MEW API R3
New-used c	sg. @ 1357	KBwith /	eo sac	cks neat	cement a	round sho	e 28 oCA Clz-
1415	sax 5#61L	5	additive	es 2 /0 CA	( /z .		
Plug down	@ 10 <sup>15</sup> .	(AR) (PM)	) Date -	5-31-7			
Cement cir	culated	No		No. of	Sacks /	2 :	With the state of
Cemented by	,,					11650	yetrone.
remp. Surv	ev ran @ *	945 (AM) (P	A) Data	e 6-1-7	5 top c	ement @	1000'
		(AM) (P	-				
Method Use		C) STAY ( &		Witness	ed hv	hi-	
	م به المساعدة المعاميدة (المعاميدة المعاميدة). - المساعدة المعاميدة (المعاميدة المعاميدة)	C (A) (A)	CONTRACTOR OF THE PROPERTY OF		ou ny		
	•	f @ (AN		.!			
lethod use					ed by		
lemarks: 16	X45 SET	@272.K.E.	CMID TE	SURFACE			
1134 CENT 6	1247 8	1217 - BAS	KETS G	929. 8	B9 847	18808	
		my a a complete de l'année de l'année de l'année de l'année de la grande de l'année de la grande de l'année de			<u> </u>		
1			اللهائة الالتحادثية ويستسياه المتنفي ويستسب	fil alle			<del></del>
<u> </u>							
0	WT MALLAN	BONTE @ 11	برنائعه والمراثقان	1. 11 "	- Ac Sollow	ن د	· · · · · · · · · · · · · · · · · · ·
STAGE CEME	My DOUGH	Cach @ 78	R' IN P	Y MAGE CON 1	220 PM 6-	1-75	
		the second second	ra-		-y · - ·		man a saltam menara I a
.505×	e t	@ 78	<u> </u>	Z	20 AM 6-	2-75 [ 196	repe who ens Len
- 50 SX "							WTR RETURNS TO S
-50 PK -	4%	*# # 360	0	· · · · · · · · · · · · · · · · · · ·	50	72 . 72 45 / 1	WTR RETURNS TO S
5 n cx							
50 SX		· · · · · · · · · · · · · · · · · · ·		* 11	The same of the sa		SX Seet To Fet

(3) III (10 w 27.5) These of the Mer with 355 360 BRIDGE 2413-504 SD BRDGE ON OPEN HOLE a to cattle C B STAGES SOSK @ 788' PANCE C FASKET 800 ENHET-847 BASKER - 729

, ,'

.

	I N S P E C T I O N	CLASSIFICATIO	F A C I L I T Y	H O U R S	QUARTER HOUR	Name B. W. Weaver  Time of Departure  In the space below indiperformed, listing well		PS Miles District 1  Car No. 65	_
		N			R S	Signature			
						Cast Irom Bridge Ran 2nd CIBP  Put 10 SX Coment a  Test Casing to  Hole @ 3495 &  Pressured up an  Perferated Casing (  Class C 296CC  With Multo Surface	Plug @4200 Trest Case Set at 4168 and Trest  I Top of Bridge Plug 2-26-85  1000 PSI Would Not  Squegel With 50 SX 2-27-85  Squegel Job Test to  Q 2535 Tryed to Cas  Tagged & 2304 Pe  With Mil and Spett  ement to Surface	Test Ran Packer and Facend  Class C 22 CC  1000 PSI OK Pulled Packer  culat Could Not Set 20 SX  feratel C 1320 Circulates  J 30 SX Class C 3 % CC. Renfer  Hours  UIC  RFA	
	٠.,	TYPE PER	INSPI		N	INSPECT CLASSIFICA		NATURE OF SPECIFIC WELL OR FACILITY INSPECTED	•
:		II - II P - F C - F R - R F - W	louse lugg lugg cll cpail cpail ateri	keepi ing ing C Test r/Wor 1104	leanu kovez Spill	U = Underground Inject related to injecti p resulting from injection and prod tests, surface inj  R = Inspections relati tion O = Other - Inspection Reclamation Fund  E = Indicates some for	tion Control - Any inspection ton project, facility, or well ection into any well. (SWD, luction wells, water flows or jection equipment, plugging, ang to Reclamation Fund Actives not related to injection of unforcement action take atoly below the letter U, R	of or D = Drilling l or P = Production 2ndry I = Injection pressure C = Combined prod. inj. operations ity S = SWD U = Underground Storage G = General Operation T = Facility or location h in the	<b>n</b>

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SANTA FE		T FOR ALLOWABLE	Form C-104 Supersedes Old C-104 and
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U.S.G.S.	- ALITHODIA TION TO TE		0.4.5
LAND OFFICE	AUTHORIZATION TO TR	RANSPORT OIL AND NATURAL (	GAS
TRANSPORTER GAS /			RECEIVED
OPERATOR /	<del>-</del>		
		•	
PRORATION OFFICE Operator			MAR - 1 1978
Hanagan Petroleum Con	rporation 🗸		
Address			ARTESIA, OFFICE
P.O. Box 1737, Roswell	11, New Mexico 88201		ARIBSIA, OFFICE
Reason(s) for filing (Check proper box	x)	Other (Please explain)	
New Well	Change in Transporter of:		
Recompletion X	OII Dry G	as 🔲	
Change in Ownership	Casinghead Gas Conde	ensate	
If change of ownership give name			
and address of previous owner			,
DESCRIPTION OF WELL AND	Well No. Pool Name, Including	Description of the second of t	
Lease Name	well No.: Pool Name, including i	I	
Newman	1 BrynesTank-Mid	dle Delaware Gas State, Federa	or Fee State K 4761
Location			
Unit Letter '0 : 230	00 Feet From The East Li	tne and 660' Feet From	The South
,	Lago L	ne did Peet Floir	
Line of Section 7 To	ownship 23 South Range	26 East. NMPM. Eddy	/ Coun
	minute 52 200 cll Maride V	LO EASE. THE EUC	Coun
DESIGNATION OF THE ANGROD	MED OF OUR AND MARKED AT O	• •	
Name of Authorized Transporter of Oil	ITER OF OIL AND NATURAL G	AS Address (Give address to which approx	
1	<del></del>	Address (Give address to which approx	ved copy of this form is to be sent;
Navajo Crude Oil Purc	hasing Company	P.O. Box 175, Artesia,	New Mexico 88210
Name of Authorized Transporter of Ca	singhead Gas or Dry Gas XX	Address (Give address to which approx	ved copy of this form is to be sent)
Transwestern Pipeline	Company	P.O. Box 2521, Houston,	Texas 77001
If well produces oil or liquids,	Unit Sec. Twp. Rge.	Is gas actually connected? Whe	en
give location of tanks.	1_0_1_7	Ves	3-31-78
COMPLETION DATA	ith that from any other lease or pool,	, give comminging order number:	
	Oil Well Gas Well	New Well Workover Deepen	Plug Back   Same Res'v. Diff. Re
Designate Type of Completic	on – (X)	The second secon	
Date Spudded	Date Compl. Ready to Prod.	Total Depth	P.B.T.D.
1	Date Compt. Aeday to Prod.	1	
2/15/75	5/23/77	1 33 6061	1 .
Elevations (DF, RKB, RT, GR, etc.)		11,625'	4620 (Temp.)
3454 KB	Name of Producing Formation	Top Oil/Gas Pay	1 .
L OTOT KD	Name of Producing Formation	Top Oil/Gas Pay	4620 (Temp.)
Perforations			4620 (Temp.) Tubing Depth
	Name of Producing Formation	Top Oil/Gas Pay	4620 (Temp.) Tubing Depth 4098 Depth Casing Shoe
Perforations	Name of Producing Formation Middle Delaware	Top Oil/Gas Pay 4247	4620 (Temp.) Tubing Depth 4098
Perforations 4247-56	Middle Delaware  TUBING, CASING, AN	Top Oil/Gas Pay 4247  D CEMENTING RECORD	4620 (Temp.) Tubing Depth 4098 Depth Casing Shoe 4920
Perforations 4247-56 HOLE SIZE	Middle Delaware  TUBING, CASING, AN  CASING & TUBING SIZE	Top Oil/Gas Pay 4247  D CEMENTING RECORD DEPTH SET	4620 (Temp.) Tubing Depth 4098 Depth Casing Shoe 4920 SACKS CEMENT
Perforations #247-56  HOLE SIZE 20"	Middle Delaware  TUBING, CASING, AN  CASING & TUBING SIZE  16"	Top Oil/Gas Pay 4247  D CEMENTING RECORD DEPTH SET 96	4620 (Temp.) Tubing Depth 4098 Depth Casing Shoe 4920 SACKS CEMENT
Perforations #247-56  HOLE SIZE 20" 14 3/4" & 12 ½"	TUBING, CASING, AN CASING & TUBING SIZE 16" 9 5/8"	Top Oil/Gas Pay 4247  D CEMENTING RECORD DEPTH SET 96 2480	4620 (Temp.) Tubing Depth 4098 Depth Casing Shoe 4920  SACKS CEMENT /80 /050
Perforations #247-56  HOLE SIZE 20"	TUBING, CASING, AN CASING & TUBING SIZE 16" 9 5/8" 412"	Top 0il/Gas Pay  4247  D CEMENTING RECORD  DEPTH SET  96  2480  4920	4620 (Temp.) Tubing Depth 4098 Depth Casing Shoe 4920 SACKS CEMENT
Perforations #247-56  HOLE SIZE 20" 14 3/4" & 12 ½"	TUBING, CASING, AN CASING & TUBING SIZE 16" 9 5/8"	Top Oil/Gas Pay 4247  D CEMENTING RECORD DEPTH SET 96 2480	4620 (Temp.) Tubing Depth 4098 Depth Casing Shoe 4920  SACKS CEMENT /80 /050
Perforations #247-56  HOLE SIZE 20" 14 3/4" & 12 ½" 8½"	TUBING, CASING, AN CASING & TUBING SIZE 16" 9 5/8" 412" 2 3/8" COR ALLOWABLE (Test must be a	Top Oil/Gas Pay  4247  D CEMENTING RECORD  DEPTH SET  96  2480  4920  4098  after recovery of total volume of load oil of the contract of the	4620 (Temp.) Tubing Depth 4098 Depth Casing Shoe 4920  SACKS CEMENT /80 /050 675
Perforations 4247-56  HOLE SIZE 20" 14 3/4" & 12 ½" 8½"	TUBING, CASING, AN CASING & TUBING SIZE 16" 9 5/8" 412" 2 3/8" COR ALLOWABLE (Test must be a	Top Oil/Gas Pay  4247  D CEMENTING RECORD  DEPTH SET  96  2480  4920  4098  after recovery of total volume of load oil depth or be for full 24 hours)	4620 (Temp.) Tubing Depth 4098 Depth Casing Shoe 4920  SACKS CEMENT /80 /050 67.5  and must be equal to or exceed top al
Perforations 4/247-56  HOLE SIZE 20" 14 3/4" & 12 ½" 8½"  TEST DATA AND REQUEST F	TUBING, CASING, AN CASING & TUBING SIZE 16" 9 5/8" 412" 2 3/8" COR ALLOWABLE (Test must be a	Top Oil/Gas Pay  4247  D CEMENTING RECORD  DEPTH SET  96  2480  4920  4098  after recovery of total volume of load oil of the contract of the	4620 (Temp.) Tubing Depth 4098 Depth Casing Shoe 4920  SACKS CEMENT /80 /050 67.5  and must be equal to or exceed top al
Perforations #247-56  HOLE SIZE 20" 14 3/4" & 12 ½" 8½"  TEST DATA AND REQUEST FOIL WELL	TUBING, CASING, AN CASING & TUBING SIZE 16" 9 5/8" 412" 2 3/8" COR ALLOWABLE (Test must be a able for this december)	Top Oil/Gas Pay  4247  D CEMENTING RECORD  DEPTH SET  96  2480  4920  4098  after recovery of total volume of load oil depth or be for full 24 hours)	4620 (Temp.) Tubing Depth 4098 Depth Casing Shoe 4920  SACKS CEMENT /80 /050 67.5  and must be equal to or exceed top al
Perforations #247-56  HOLE SIZE 20" 14 3/4" & 12 ½" 8½"  TEST DATA AND REQUEST FOIL WELL Date First New Oil Run To Tanks	TUBING, CASING, AN  CASING & TUBING SIZE  16"  9 5/8"  4½"  2 3/8"  OR ALLOWABLE (Test must be a able for this d	Top Oil/Gas Pay  4247  D CEMENTING RECORD  DEPTH SET  96  2480  4920  4098  after recovery of total volume of load oil of the part of the	4620 (Temp.) Tubing Depth 4098 Depth Casing Shoe 4920  SACKS CEMENT /80 /050 67.5  and must be equal to or exceed top al
HOLE SIZE  20"  14 3/4" & 12 ½"  8½"  TEST DATA AND REQUEST FOIL WELL	TUBING, CASING, AN CASING & TUBING SIZE 16" 9 5/8" 412" 2 3/8" COR ALLOWABLE (Test must be a able for this december)	Top Oil/Gas Pay  4247  D CEMENTING RECORD  DEPTH SET  96  2480  4920  4098  after recovery of total volume of load oil depth or be for full 24 hours)	4620 (Temp.) Tubing Depth 4098 Depth Casing Shoe 4920  SACKS CEMENT 180 1050 675  and must be equal to or exceed top all (i, etc.)
Perforations #247-56  HOLE SIZE 20" 14 3/4" & 12 ½" 8½"  TEST DATA AND REQUEST FOIL WELL Date First New Oil Run To Tanks Length of Test	TUBING, CASING, AN  CASING & TUBING SIZE  16"  9 5/8"  412"  2 3/8"  OR ALLOWABLE (Test must be a able for this decomposition.	Top Oil/Gas Pay  4247  DEPTH SET  96  2480  4920  4098  after recovery of total volume of load oil of the control of the contr	4620 (Temp.) Tubing Depth 4098 Depth Casing Shoe 4920  SACKS CEMENT /80 /050 675  and must be equal to or exceed top al (t, etc.)  Choke Size
Perforations #247-56  HOLE SIZE 20" 14 3/4" & 12 ½" 8½"  TEST DATA AND REQUEST FOIL WELL Date First New Oil Run To Tanks	TUBING, CASING, AN  CASING & TUBING SIZE  16"  9 5/8"  4½"  2 3/8"  OR ALLOWABLE (Test must be a able for this d	Top Oil/Gas Pay  4247  D CEMENTING RECORD  DEPTH SET  96  2480  4920  4098  after recovery of total volume of load oil of the part of the	4620 (Temp.) Tubing Depth 4098 Depth Casing Shoe 4920  SACKS CEMENT 180 1050 675  and must be equal to or exceed top al
HOLE SIZE  20"  14 3/4" & 12 ½"  8½"  TEST DATA AND REQUEST FOIL WELL  Date First New Oil Run To Tanks  Length of Test	TUBING, CASING, AN  CASING & TUBING SIZE  16"  9 5/8"  412"  2 3/8"  OR ALLOWABLE (Test must be a able for this decomposition.	Top Oil/Gas Pay  4247  DEPTH SET  96  2480  4920  4098  after recovery of total volume of load oil of the control of the contr	4620 (Temp.) Tubing Depth 4098 Depth Casing Shoe 4920  SACKS CEMENT /80 /050 675  and must be equal to or exceed top all (t, etc.)  Choke Size
Perforations #247-56  HOLE SIZE 20" 14 3/4" & 12 ½" 8½"  TEST DATA AND REQUEST FOIL WELL Date First New Oil Run To Tanks Length of Test	TUBING, CASING, AN  CASING & TUBING SIZE  16"  9 5/8"  412"  2 3/8"  OR ALLOWABLE (Test must be a able for this decomposition.	Top Oil/Gas Pay  4247  DEPTH SET  96  2480  4920  4098  after recovery of total volume of load oil of the control of the contr	4620 (Temp.) Tubing Depth 4098 Depth Casing Shoe 4920  SACKS CEMENT  /80 /050 675  and must be equal to or exceed top all ft, etc.)  Choke Size  Gas-MCF  All 14
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HOLE SIZE  20"  14 3/4" & 12 ½"  8½"  TEST DATA AND REQUEST FOIL WELL  Date First New Oil Run To Tanks  Length of Test  Actual Prod. During Test	TUBING, CASING, AN  CASING & TUBING SIZE  16" 9 5/8" 412" 2 3/8"  OR ALLOWABLE (Test must be able for this decomposition of the control of th	Top Oil/Gas Pay  4247  DEPTH SET  96  2480  4920  4098  after recovery of total volume of load oil of the control of the contr	A620 (Temp.) Tubing Depth  4098 Depth Casing Shoe  4920  SACKS CEMENT  /80  /050  675  and must be equal to or exceed top all  (t. etc.)  Choke Size  Gas-MCF  A41144  A41144  A41144  A41144  A41144

ENERGY AND MINERALS DEPARTMENT	
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OTHER  17. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including work) SEE RULE 1703.  1. PULL RODS AND PUMP. TEST BOP TO 2000 PS I. PULL TBG.  2. SET CIBP AT 4200'- CAP W/100' CMT. PRESSWRE TEST CSG TO  3. PERF CSG @ 2535' W/45PF. RIH W/OPEN ENDED TBG TO PB  4. " ACC. ALLO H'AN 95/0" ANNOLUS W/9.5 PPG (MIN) BRIA	95%, DZSOO' 1000PSI. RTD (4100'). CIRC VE WATER LONTAINIA
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17. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including work) SEE RULE 1702.  1. PULL RODS AND PUMP. TEST BOP TO 2000 PS L. PULL TBG.  2. SET CIBP AT 4200'- CAP W/100' CMT. PRESSURE TEST CSG TO  3. PERF CSG @ 2535' WYSPF. RIH WYOPEN ENDED TBG TO PB  4'M" CSG AND 4'N X 95/8'' ANNULUS WY9.5 PPG (MIN) BRIN  25-100 LB SACK SALT GEL PER 100 bbl. (APPROX UOL IS 20  4 PULL TBG TO 2535' ESTABLISH CIRC THROUGH TBG ANNU  ANNULUS, SPOT A 30 SX PLUG OF CMT (CLASS C, 32 CACL2) B.  METHOD, WOC. PRESSURE TEST PLUG TO 500 PSI.  PERF CSG @ 1320' AND @ 50' WYSPF. RIH W/OPENED TBG  FIRST PLUG (SHOWLD BE 2435' MIN, OTHERWISE SPOT CMT  DIFFERENCE) PULL TBG TO 1320'AND SPOT A 303X PLUG O  CACL2, BY BALANCE O PLUG METHOD. KEEP BOTH AN	95%, DISOO' 1000 PS 1. 3TD (4100'). CIRC WE WATER LONTAINIA 0 bbl.) .LAS & CSG X CSG Y BALANCED PLAG TO TAG TOC. EN TO MAKE WP THE F CLASS C, 3% NULI OPEN. PULL PLAG.
17. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including work) SEE RULE 1702.  1. PULL RODS AND PUMP. TEST BOP TO 2000 PS L. PULL TBG.  2. SET CIBP AT 4200'- CAP W/100' CMT. PRESSURE TEST CSG TO  3. PERF CSG @ 2535' WYSPF. RIH WYOPEN ENDED TBG TO PB  4'M" CSG AND 4'N X 95/8'' ANNULUS WY9.5 PPG (MIN) BRIN  25-100 LB SACK SALT GEL PER 100 bbl. (APPROX UOL IS 20  4 PULL TBG TO 2535' ESTABLISH CIRC THROUGH TBG ANNU  ANNULUS, SPOT A 30 SX PLUG OF CMT (CLASS C, 32 CACL2) B.  METHOD, WOC. PRESSURE TEST PLUG TO 500 PSI.  PERF CSG @ 1320' AND @ 50' WYSPF. RIH W/OPENED TBG  FIRST PLUG (SHOWLD BE 2435' MIN, OTHERWISE SPOT CMT  DIFFERENCE) PULL TBG TO 1320'AND SPOT A 303X PLUG O  CACL2, BY BALANCE O PLUG METHOD. KEEP BOTH AN	95%, DISOO' 1000 PS 1. 3TD (4100'). CIRC WE WATER LONTAINIA 0 bbl.) .LAS & CSG X CSG Y BALANCED PLAG TO TAG TOC. EN TO MAKE WP THE F CLASS C, 3% NULI OPEN. PULL PLAG.
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OTHER  17. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including work) SEE RULE 1702.  1. PULL RODS AND PUMP. TEST BOP TO 2000 PS 1. PULL TBG.  2. SET CIBP AT 4200'- CAP W/100' CMT. PRESSURE TEST CSG TO  3. PERF CSG @ 2535' W/45PF. RIH W/0PEN ENDED TBG TO PB  4/n' CSG AND 4/n x 95/8' ANNULUS W/9.5 PPG (MIN) BRIA  25-100 LB SACK SALTGEL PER 100 bbl. (APPROX VOL IS 20  4. PULL TBG TO 2535. ESTABLISH CIRC THROUGH TBG ANNU  ANNULUS. SPOT A 305x PLUG OF CMT (CLASS C. 32 CACL2) B.  METHOD. WOC. PRESSURE TEST PLUG TO 500 PSI.  PERF CSG @ 1320' AND @ 50' W/45PF. RIH W/0PENED TBG  FIRST PLUG (SHOULD BE 2435' MIN. OTHERWISE SPOT CMT:  DIFFERENCE) PULL TBG TO 1320' AND SPOT A 303x PLUG O  CACL2, BY BALANCE U PLUG METHOD. KEEP BOTH AND  TBG TO 50' AND CIRC CMT TO SURFACE FOR FINAL!  6. CUTWELL HEAD DEFAND INSTALL PERMANENT DRS HOW  CLEAN AND LEVEL LOCATION.	95%, DISOO' 1000 PS 1. 3TD (4100'). CIRC WE WATER LONTAINIA 0 bbl.) .LAS & CSG X CSG Y BALANCED PLAG TO TAG TOC. EN TO MAKE WP THE F CLASS C, 3% NULI OPEN. PULL PLAG.
17. Describe Proposed or Completed Operations (Clearly state all persinent details, and give persinent dates, including work) SEE RULE 1703.  1. PULL RODS AND PUMP. TEST BOP TO 2000 PS 1. PULL TBG.  2. SET CIBP AT 4200'- CAP W/100' CMT. PRESS WAE TEST EST OF PS  3. PERF CSG @ 2535' WUSPF. RIH WOPEN ENDED TBG TO PS  4 W" CSG AND 4 N X 9 S/8' ANNULUS W9.5 PPG (MIN) BRIM  25-100 LB SACK SALT GEL PER 100 bbl. (APPROX UOL IS 20  4. PULL TBG TO 2535. ESTABLISH CIRC THROUGH TBG ANNULANDS, SPOT A 30 SX PLUG OF CMT (CLASS C. 32 CACL2) B.  METHOD. WOC. PRESS WAE TEST PLUG TO 500 PSI.  1. PERF CSG @ 1320' AND & 50' WYSPF. RIH WOPENED TBG  FIRST PLUG (SHOWLD BE 2435' MIN, DTHERWISE SPOT CMT.  DIFFERENCE) PULL TBG TO 1320' AND SPOT A 303X PLUG O  CACL2, BY BALANCED PLUG MAETHOD, KEEP BOTH AND  ABG TO 50' AND CIRC CMT TO SURFACE FOR FINAL!  18. I hereby certify that the information above is true and complete to the best of my throwledge and belief.	95%, DISOO' 1000 PS 1. 8TD (4100'). CIRC NE WATER LONTAINIA 0 bbl.) . Las & CSG x CSG Y BALANCED PLUG TO TAG TOC. EN TO MAKE WP THE F CLASS C, 3% NULI OPEN. PULL PLU G. E. MARKER.
17. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including work) SEE RULE 1703.  1. PULL RODS AND PUMP. TEST BOP TO 2000 PS 1. PULL TBG.  2. SET CIBP AT 4200'- CAP W/100' CMT. PRESS WRE TEST CSG TO  3. PERF CSG @ 2535' W/45 PF. RIH W/OPEN ENDED TBG TO PB  4'N' CSG AND 4'N X 95/8' ANNULUS W/9.5 PPG (MIN) BRIN  25-100 LB SACK SALT GEL PER 100 bbl. (APPROX UOL IS 20  4. PULL TBG TO 2535' ESTABLISH CIRC THROUGH TBG ANNU  ANNULUS. SPOT A 305% PLUG OF CMT (CLASS C. 3% CACL2) B.  METHOD. NOC. PRESS WRE TEST PLUG TO 500 PSI.  PERF CSG @ 1320' AND @ 50' WYSPF. RIH W/OPENED TBG  FIRST PLUG (SHOULD BE 2435' MIN. OTHERWISE SPOT CMT  DIFFERENCE) PULL TBG TO 1320' AND SPOT A 303% PLUG O  CACL2, BY BALANCED PLUG ANETHOD KEEP BOTH AND  ABG TO 50' AND CIRC CMT TO SURFACE FOR FINAL I	95%, DISOO' 1000 PS 1. 3TD (4100'). CIRC WE WATER LONTAINIA 0 bbl.) .LAS & CSG X CSG Y BALANCED PLAG TO TAG TOC. EN TO MAKE WP THE F CLASS C, 3% NULI OPEN. PULL PLAG.
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OTHER  17. Describe Proposed or Completed Operations (Clearly state all persinens details, and give persinens dates, including work) SEE RULE 1703.  1. PULL RODS AND PUMP, TEST BOP TO 2000 PS 1. PULL TBG.  2. SET CIBP AT 4200'- CAP W/100' CMT. PRESSURE TEST 656 TO  3. PERF CSG @ 2535' W45PF. RIH WOPEN ENDED TBG TO PS  4'N' CSG AND 4'N X 95/8' ANNULUS W9.5 PPG (MIN) BRING  25-100 LB SACK SALT GEL PER 100 bbl. (APPROX VOL 13 20  4. PULL TBG TO 2535' ESTABLISH CIRC THROUGH TBG ANNU  ANHULUS, SPOT A 30 SX PLUG OF CMT (CLASS C, 3% CACL2) B.  METHOD. WOC. PRESSURE TEST PLUG TO 500 FS1.  PERF CSG @ 1320' AND & 50' W45PF. RIH W/0 PENED TBG  FIRST PLUG (SHOULD BE 2435' MIN, DTHERWISE SPOT CMT of the Color o	95%, DZSOO' 1000 PS 1. 3TD (4100'). CIRC WE WATER LONTAINIA 0 bbl.) .LLS & CSG x CSG Y BALANCED PLLLG TO TAG TOC. EN TO MAKE WP THE F CLASS C, 3% NULI OPEN. PLLL PLL G. LE MARKER.
OTHER  17. Describe Proposed or Completed Operations (Clearly state all persinens details, and give persinens deses, including work) SEE RULE 1708.  1. PULL RODS AND PUMP. TEST BOP TO 2000 PS 1. PULL TBG.  2. SET CIBP AT 4200'- CAP W/100' CMT. PRESSURE TEST 636 TO  3. PERF CSG @ 2535' W445 PF. RIH WOPEN ENDED TBG TO PB  4'N' CSG AND 4'N X 958' ANNULUS W9.5 PPG (MIN) BRIN  25-100 LB SACK SALT GEL PER 100 bbl. (APPROX VOL 13 20  4. PULL TBG TO 2535' ESTABLISH CIRC THROUGH TBG ANNU  ANNULUS, SPOT A 305X PLUG OF CMT (CLASS C, 32 CACL2) B.  METHOD. NOC. PRESSURE TEST PLUG TO 500 PS1.  PERF CSG @ 1320' AND @ 50' W45 PF. RIH W/0 PENED TBG  FIRST PLUG (SHOULD BE 2435' MIN, DTHERWISE SPOT CMT.  D. FFERENCE) PULL TBG TO 1320' AND SPOT A 305X PLUG O  CACL2, BY BALANCE O PLUG AND TO SURFACE FOR FINAL I  ABG TO 50' AND CIRC CMT TO SURFACE FOR FINAL I  CLEAN AND LEVEL LOCATION.  18.1 hereby certify that the information above is true and complete to the best of my moviedge and belief.	95%, DISOO' 1000 PS 1. 8TD (4100'). CIRC NE WATER LONTAINIA 0 bbl.) . Las & CSG x CSG Y BALANCED PLUG TO TAG TOC. EN TO MAKE WP THE F CLASS C, 3% NULI OPEN. PULL PLU G. E. MARKER.

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NO. OF COPIES	RECEIVED	3	$\Box$					<b>K</b> SO's	Form C-103		Y e
DISTRIBU	ITION		7						Supersedes		
SANTA FE		7	7	NEW MEXICO OIL	CONS	ERVATION	COMMISSI	ON	C-102 and C Effective 1-1		
FILE		1 6						EIVE	D	05	
U.S.G.S.			_			, R	20.		5a. Indicate Typ	e of Leas	3 <del>0</del>
LAND OFFICE	E	$\neg \vdash$	<b>-1</b> .					4075	State X		Fee.
OPERATOR		7	7	•			JUL	8 1975	5. State Oil & G	as Lease	No.
				·					K-4761-3	3	
(DO NOT	USE THIS FOR	SUND	RY NOTICE	S AND REPORTS	S ON	WELLS	O.	C. C.			
031.	GAS								7. Unit Agreeme	nt Name	٠.
WELL L	GAS WELL	<u> </u>	OTHER-								<u> </u>
2. Name of Opera									8. Form or Leas		
HANAGAN	PETROLE	UM C	ORPORATIO	N /					Newman-Co	)M	
3. Address of Op	erator								9. Well No.		*
P. O. B	ox 1737,	Ros	well, New	Mexico 88201					1		·
4. Location of We	ell								10. Field and Pa	ool, or Wil	ldcat
UNIT LETTER	00		2300	EET FROM THEEas	st.	LINE AND	660	FEET FROM	Wildcat		
				,							IIIII
THE SO	uth L	NE, SEC	TION 7	TOWNSHIP	Sou	ith RANGE	26 Eas	t	UIIIIII	//////	
`											
		IIII		5. Elevation (Show wh	ether l	DF, RT, GR,	etc.)		12. County		
		IIII		3438' GR,	345	54' KB	•		Eddy		
16.		Check	Appropriat	e Box To Indica	te N	ature of N	otice Re	enart or Ot	ner Data		***
			INTENTION		1	uture 01 14		-	REPORT OF		
					- 1					•	
PERFORM REMEDI	AL WORK			PLUG AND ABANDON	$\Box$	REMEDIAL W	DRK		A1 TE	RING CASIN	۰. ۲
TEMPORARILY AB	一		,			COMMENCE D		. H	•	AND ABAND	F
PULL OR ALTER C	=			CHANGE PLANS		CASING TEST			P200 .	AND ABAND	ONMEN!
				ennie ranio	<u> </u>				Testing		П
OTHER						OTHER		<u>cacillerie</u>			t
					۱						
17. Describe Pro work) SEE R		pleted	Operations (Cl	early state all pertiner	ıt deta	ils, and give	pertinent do	ites, including	estimated date of	starting a	ny propos
		<u>.</u>			٠.						
	TD 11625		Co.t. 35: av	Class "H" pl		w /hvmz	3~1~ m	ud hetwee	n nluge ac	verha	311
				ett: 11000-1							
				', went in &						0200	, and
										/50 m	cmiv
		_		1.60# N80 LT8			± 4320	, Chica. V	,, u / SX 30/	oo po	SHITY
				@ 4:50 AM, 6				ממט אפ	Dolariano 45	701 0/1	<b>Y</b> on
0/2///5:	MT MOLKO	ver	unit, OfD	11625, PB 49	720,	NPD 400	, pert	. 2# OFF	Delawate 4	) UL - 5U	· Tan
				rfs. w/100 ga							
				1 & small fla							
				3350# @ 7.2 E							
•	swb. dry	, 23	hr. SIT	P 1500# - Fra	ac 13	3,000 gal	ls. Wes	Foam + 1	.0,200# sd.,	, inj.	rate
				ress. 5550#,	flow	ved back	most l	oad w/goo	d show oil	& gas	•
			st equipm						•		
7/5 to 7/7	7/75: Te	stin	g well, w	ell F/38½ BO	+ 37	7 BW/8⅓ h	ers., l	6/64" ck.	, FTP 950#.		

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

SIGNED STATES VICE President

DATE 7/7/75

APPROVED BY JUL 10 1975

CONDITIONS OF APPROVAL, IF ANY:

NO. OF COPIES RECEIVED		Form C-103
DISTRIBUTION	RECEIVED	Supersedes Old C-102 and C-103
SANTA FE	NEW MEXICO OIL CONSERVATION COMMISSION	Elfective 1-1-65
FILE /	MAN O a some	
ů.s.g.s.	MAY 2 0 1975	5a. Indicate Type of Lease
LAND OFFICE		State X Fee.
OPERATOR /	Q. C. C.	5. State Oil & Gas Lease No.
<u></u>	ARTESIA. OFFICE	K-4761-3
SUNDE	RY NOTICES AND REPORTS ON WELLS	
(DO NOT USE THIS FORM FOR PRI USE "APPLICAT	OPOSALS TO DRILL OR TO DEEPEN OR PLUG BACK TO A DIFFERENT RESERVOIR. FION FOR PERMIT -" (FORM C-101) FOR SUCH PROPOSALS.)	
OIL GE X	OTHER-	7. Unit Agreement Name
2. Name of Operator	entra de la composição de la composição de la composição de la composição de la composição de la composição de La composição de la compo	8. Form or Lease Name
Hanagan Petroleum	Corporation /	Newman-Com
3. Address of Operator	D17 N M 00001	9. Well No.
P. O. Box 1737	Roswell, New Mexico 88201	10. Field and Pool, or Wildcat
	2300 FEET FROM THE East LINE AND 660	Wildcat
THE South LINE, SECTI	ON	PM. (()
mmmmm	With the star (Start Late Dr. Dr. Co.	
	15. Elevation (Show whether DF, RT, GR, etc.) 3438 GR	12. County Eddy
	Appropriate Box To Indicate Nature of Notice, Report or	
NOTICE OF I	NTENTION TO: SUBSEQUE	NT REPORT OF:
——————————————————————————————————————	C) , KY	
PERFORM REMEDIAL WORK	PLUG AND ABANDON REMEDIAL WORK	ALTERING CASING
TEMPORARILY ASANDON	COMMENCE DRILLING OPHS.	PLUG AND ABAHDONMENT
PULL OR ALTER CASING	CHANGE PLANS CASING TEST AND CEMENT JOB X	_
,	OTHER	
OTHER		
15 0 - 0 - 0 - 0 - 0 - 0 - 0 - 0 - 0 - 0	perations (Clearly state all pertinent details, and give pertinent dates, includ	
work) SEE RULE 1903.	perations (Grearly state all pertinent aetalls, and give pertinent autes, includ	ing estimated date of starting any propose
•	•	
5/12/75: Started	drilling operations w/Rotary Moranco Contract	or, 5/12/75 T.D. Ream
	le to 96' ran 3 Jts. 16' 65# Casing, set @ 96'	
	own @ 3:10 PM 5/12/75 cement circ., w/80 sx. e	
cu f+ /cv 750 +	emp. when Slurry mixed, est. fm. temp. 650, co	mnraceive etrandat 565#
cu. 16./5x. /5° 6	# 20% no proce door dolg . Plug 2:00 MM E/1	2/7E MOC 12 has
tested csg. W/500	# 30", no press drop, drlg. Plug 3:00 AM 5/1	3//5 WUC 12 Nrs.
F/17/7F. T D 0/	001 ad 8 Jm /14 2/4# 8 101# hole) Dan 60 it	- 0 E/O" 40# STOC 0 36#
5/1//5: 1.0. 24	80' sd. & lm. (14-3/4" & 12½" hole), Ran 60 jt	S. 9-3/8 40# 31&C & 30#
LI&C csg. set @ 2	480' & cmt. w/900 sx. Howco Light ¼# flocel 2%	6 Ca CI + 150 SX. Class "C
w/2% Ca C1, plug	down 4:15 AM 5/17/75. Cement circ. w/65 sx. e	xcess, 5/17/75 11:00 PM
press up csg. 180	0#/30", no press drop. Began making new hole	@ 12:00 PM 5/17/75.
•		
	Witnessed by Leon Bergs	trom
	Field Supervisor	
·	•	
18. I hereby certify that the information	above is true and complete to the best of my knowledge and belief.	
		•
SIGNED M.L. South	erland Apant	DATE 5/19/75
Sienzo p 11. The same of the s		
$f \sim \infty$		0.0 107E
1000 165 01 a	SUPERVISOR, DISTRICT II	MAY 20 1975
APPHOVED BY LECT CIES SEE OF	TITLE TOTAL IL	-UAIL

15 K.8 TO GL.

## NEW MEXICO OIL CONSERVATION COMMISSION DRAWER DD ARTESIA, NEW MEXICO

#### FIELD REPORT FOR CEMENTING OF WELLS

Operator Hanagar	Petr	Caro	Lease	man	Con	<u> </u>	Well #	
Location of Well	dhi to	Section		Towns		Range	County	-
Drilling Contractor	ilvell	- moren	٠			quipment	Ct + F	estary
* Witnes	<i>&gt;</i>	APPROV	/ED CASI	NG PRO	GRAM	t st	nt appa	4. 2-13-75
Size of Hole	Size	of Casing	Weigh Foo	t Per	New	or Used	Depth	Sacks Cement
20	1	6"	65'				100	225 cir.
1434"+1214"		78"	36+4		'		2500	800 cir.
8/2-77			17+20				11700	
Casing Data:						RT K.B	TO G.L.	
Surface 52 -	joints	of 9 % i	inch <u>30</u>	#	Grad	ie H.55	NEW E	BRT STEC
KANGE 3		(Approv	red) (R	<del></del>	1)	LOME S	TAR	
Inspected by	Leon	&Bergs	tron	, 		date	5-16	75
Cementing Pr	ogram	_						•
Size of hole	12/4-24	Size of C	asing_	9 3/8 5	acks	cement	required	
Type of Shoe	usedei	Float o	ollar	sed /H	SER7	Btm 3 jt	s welded	YES
TD of hole 2				-		_		
New-used csg	. @248	OK. Bwith 13	sa sa	cks ne	at c	ement ar	ound sho	e+2% CA C/2
+ 900 sa	x Howce	LITE	_additiv	es <u>/4</u> /-	LOCE	25-42/0 (	ACIE	
Plug down @_							<del> </del>	
Cement circu				No. c	of Sa	cks 65	SX CIRT	TO PIT
Cemented by								
Temp. Survey		· ·				top ce	ment @	
Casing test (				-	· · · · · ·			•
Method Used						by	······································	·
Checked for			- •	<del>-</del>				
Method used		· · ·		Witne	ssed	by		
Remarks:		***						
	· .							
•	•					-	•	

 Operator Εκκοι Corp.

 Well
 Νεωπας # |

 Unit O
 Section γ
 Township 23-5
 Range 26-c

 API # 30-015 -- 214ηγ

Yates
T. Salt
B. Salt
Glorieta
Bone Sp. 4908'
Abo
Wolfcamp 8554'
Morrow 11,053'
Devonian
Fusselman
Other Delaugic - 1320',

16' 65 # casing set 2 96'
w/180 sx c1. C,
cièc.

45/8" 40# casing set 2 2480'
w/ 400sx Howcolite, 1505A5 (1.C.

History

Well was spudded + Drilled. 2/13/1975

Clyde Tidwell Cable Tools.

C.T. + Rotary Rigs used.

Well is PAR.

Perf 4247'-56' Delaware.

Perf 4781'-90' Delaware.

41/2" 11.60 " cosing set > 4920' w/

w/ 675 ses 5% por 1

TO-11625' PBTD-4920'

ENERGY AND MINERALS DEPARTMENT			
us, or cortes acceives	IL CONSERVA	TION-DIVISIO	Form C-103
SANTA PE	SANTA FE, NEW		Revised 10-1
FILE V V	•	JUL 27 1984	5a. Indicate Type of Lease
U.S.G.S.		O. C. D	State X Fee
OPERATOR :/	•	ARTESIA, OUT OF	5. State Oil & Gas Lease No.
		The same of the sa	K 4761-3
SUNDRY NOTICE SUNDRY NOTICE THIS FORM FOR PROPAGALS TO OR USE "SAPPLICATION FOR PERM USE "SAPPLICATION FOR PERM	S AND REPORTS ON THE OR THE SECOND SE	CX TO A DIFFERENT RESERVOIR.	
1	The training of training of the training of the training of the training of th	,	7. Unit Agreement Name
WELL WELL OTHER-			
2. Name of Operator			8. Form or Lease Name
EXXON CORPORATION V	· · · · · · · · · · · · · · · · · · ·		NEW MAN STATE
BOX 1600, MIDLAND, 7	Ex AS 19702		
4. Location of Well	LA. G. III		10. Fleid and Pool, or Wildcat
UNIT LETTER	ET PROM THE EAST	LINE AND 660 PEET	FROM BRYNES TANK DELAWA
e 11	7 226	7, m	
THE SOUTH LINE, SECTION	TOWNSHIP 433	RANGEN	MPM. [[]]]]]]]]]]
	. Elevation (Show whether D	F, RT, GR, etc.)	12. County
	3438 G	R	EDDY
Check Appropriat	e Box To Indicate Na	ature of Notice, Report of	Other Data
. NOTICE OF INTENTION	TO:	SUBSEQU	ENT REPORT OF:
	PLUS AND ABANDON	REMEDIAL WORK	
TEMPORARILY ABANDON	PLUE AND ABAHOON	COMMENCE DRILLING OPHS.	ALTERING CABING  PLUG AND ABANDONMERT
PULL OR ALTER CASING	CHANGE PLANS	CASING TEST AND CEMENT JOB	· _
		OTHER	
OTHER	————— U		
17. Describe Proposed or Completed Operations (Clawork) SEE RULE 1103.	arly state all pertinent detai	is, and give pertinent dates, incl	
1. PULL RODS AND PUMP. Th	ECT ROP TO 20	00 PS 1. PULL TBG.	95%, D 2500'
1 10 - 1 1 10	1 .1 A DOKE	SURK TEST CSGT	0 1000 PSI.
	P 014 111/2 12 11	,	
3. PERF CSG @ 23 33 W45P1 41/2" CSG AND 41/2 X 95/8		VO - PPG (MIN) BI	PINE WATER LONTAINIA
492 CSG AND 472 X 9 9/8	ANNALLS	LAPOPAN HALIS	200 664,
25-100 LB SACK SALT GEL	PER 10000L	LAPPACK COLIC	was dasg x csG
1 P. 1 TRI T. 2525 FST	ABLISH CIRC T	AROUGH ING MM	Will find I
ANNULUS. SPOT A 30 SXP.	lub of cmtlc	LASS C. J.S. CAELL	BY BALANCED ILES
USA LICA DOCACE PE	TEST PILLET	0 500 PSI.	·
	and where h	PIN WINPENED T	BE TO THE TOCK
	ついてで メメリハノ カブバ	I FRINIST STOLL CITY	, , , , , , , , , , , , , , , , , , , ,
DIFFERENCE) PULL TBG T CACLZ, BY BALANCEU	PILL LARGE HAS	KEEP BUTH A	NNULI OPEN. PULL
TBG TO SO' AND CIRC	A T To Co	ENAF FOR FINAL	Plu G.
6. CUTWELLHEAD DEFAN	ID UNISTALL PA	ERMANENT DRY	YOLE MARKER.
CLEAN AND LEVEL LOC 18. I hereby certify that the information above is true	A TICN.		
18. I hereby certify that the information above is true	and complete to the best of	my knowledge and belief.	
NH Co		K ADMIN.	7 h . Ge /
BIGHED W. 11. A FULL	TITLE	/ MUNIN.	DATE 7-26-8V
ODICIALAL O	enen		Assa G A
ORIGINAL SI APPROVED BY BY LARRY RE	ROKS TITLE	JUL 3 1 1984	JUL 31 1984
CONDITIONS OF APPROVAL, IF ANY GEOLOGIST -	4WOCD	<del>o e e e e e e e e e e e e e e e e e e e</del>	•
		•	

I N	C L A	F A	H O U	Q U A	ием	MEXICO OIL CONSERVATION COMM	ISSION
P	S	I	R	R	Name B. W. Weaver	Date 1-25-15	MilesDistrict I
E C T	I F	LIT	)	E R	Time of Departure		
N O T	ICA TION	Y		H O U R S	In the space below indiperformed, listing well Signature	cate the purpose of the trip as or leases visited and any ac	and the duties ction taken.
					1 well 0-7	-23-26 EXXON Corp No	ruman # (PAA) Set
					•	Plug @4200 Test Casing to	
					· ·	set at 4168 and Test to 10	
					Put 10 SX Coment a	n Top of Bridge Plug Les	T Set
		1				2-26-85	
					Test Casing to	1000 PSI Would not Turt	- Ran Packer and Found
					<b>,</b>	greged with 50 SX class	
					!	2-17-85	
					Pressured up on	Squeege Job Test to 1000	PSI OK Pulled Packer
					· ·	@ 2535 Tryed to Cercular	
					Clar C 290 CC 1	Tagged & 2304 Perfent	d C: 1320 Circulated
					With Mul to Sunface	with and and spotted 30	SX Class C 3 % CC. Renfero
					@ 50 Ft and cire Co	ment to Surface	
		į					
						<u> </u>	
					Mileage	Per Diem	Yours
			}		VIC	UIC UIC	. Hours UIC
	ł				RFA	RFA	RFA
					Other	Other	Other
-		INSPE		м	INSPECT CLASSIFICA		NATURE OF SPECIFIC WELL OR FACILITY INSPECTED
1	P = P 2 = P 5 = W	ousek luggi luggi ell T cpair	ng C. cst	leanu	related to injection resulting from injection and produ	ion Control - Any inspection of or on project, facility, or well or ection into any well. (SWD, 2ndry action wells, water flows or press ection equipment, plugging, etc.)	P = Production I = Injection

F = Waterflow R = Inspections relating to Reclamation Fund Activity N = Mishap or Spill W = Water Contamination O = Other - Inspections not related to injection or The Reclamation Fund

E = Indicates some form of unforcement action taken in the field (show immediately below the letter U, R or O)

S = SWD U = Underground Storage

G - General Operation

P = Facility or location

M = Meeting O = Other

15 KE 35%.

## NEW MEXICO OIL CONSERVATION COMMISSION DRAWER DD ARTESIA, NEW MEXICO

#### FIELD REPORT FOR CEMENTING OF WELLS

Operator	Petr. Care	Lease	man C	om.	Well #	/
	Unito Sectio	n i	Townshi	p Range	County	ay .
Drilling	dwell - more		Type o	f Equipment		Estary
* Witness	APPR	OVED CASI	NG PROG	RAM &	عومه محس	ay, 2-13-75
Size of Hole	Size of Casin	g Weigh Foo	١ .	New or Used	Depth	Sacks Cement
20	16"	65	,		100	225 cm.
1434"+12/4"	978"	26+4	0			800 cire.
8/2-778	512"	17420			11700	500
	joints of 95		,# G		NEW E	BRT STER
Thenested by	(Appr	oved) (Re	jez ted)	<u> </u>	,-1.	
	Les Berg	work	<u></u>	·aate	5-16	75
Cementing Pro	gram 1/4-1055		~ 50°		_	-
li de la companya de la companya de la companya de la companya de la companya de la companya de la companya de	2/4-2480Size of					
	used <u>Giro</u> Float <b>BoKB</b> Set2480 F					
New-used csg.	@ 3480 K @with Howeo Lite 15 (AM) (8	150 sa	cks nea	t cement a	ound sho	0e+2763AC/2
Plug down @ 4	(AM) (	D) Date_	5.17	.75		
Cement circul	ated YES	· · · · · · · · · · · · · · · · · · ·	No. of	Sacks 65	5x (1,2)	TO PIT
Cemented by	HALLIBURTON		Witnes	sed by fear	Reser.	galain
Temp. Survey	ran @ (AM)	(PM) Dat	е	top ce	ment @_	-
Casing test @	(AM)	(PM) Dat	<u>e</u>			
Nethod Used Witnessed by Checked for shut off @ (AN) (PN) Date						
	nut off w			cad tw		
Remarks:				300 179		
<del></del>						
					<del></del>	_
		<del></del>	·	,		

NOTE: FULL RETURNS THROUGHOUT DRILLING & COMENTING
OPERATIONS. CMT FELL 3FT IN IOMIN AFTER PLUG DH ON INTERMEDIATE CSG.
NO SIGNIFICANT RATE OF PENETRATION CHANGE FROM
SURFACE TO 2480

DISTRIBUTION SANTA FE  FILE		EGEIVED ONSERVATION COMMISSIO	)N	Form C-103 Supersedes Old C-102 and C-10 Effective 1-1-65	3
Ú.S.G.S.		MAY 2 0 1975		5a. Indicate Type o	of Lease Fee.
OPERATOR /	,	O. C. C.		5. State Oil & Gas K-4761-3	Lease No.
SUNDR' (DO NOT USE THIS FORM FOR PRO) USE "APPLICATI	Y NOTICES AND REPORTS POSALS TO DRILL OR TO DEEPEN OR PHON FOR PERMIT - " (FORM C-101) FOR	ON WELLS	voir.		
OIL COS WELL X	OTHER-			7. Unit Agreement	Name
2. Name of Operator Hanagan Petroleum	Corporation /			8. Farm or Lease 1.  Newman-Cor	
3. Address of Operator	Roswell, New Mexic	co 88201		9. Well No.	
4. Location of Well				10. Field and Pool, Wildcat	, or Wildcat
	· ·	1 LINE AND 660 3S 26E	FEET FROM		
THE South LINE, SECTION	Township 23	MANGE	NMPM.		
	3438 GR	tner Ur, KI, GR, etc.,		12. County Eddy	
Check A	ppropriate Box To Indicat		_	er Data REPORT OF:	
PERFORM REMEDIAL WORK	PLUG AND ABANDON	REMEDIAL WORK	DCΠ	ALTERING	: CAEING
TEMPORARILY ABANDON PULL OR ALTER CASING	CHANGE PLANS	COMMENCE DRILLING OPNS	707		ABANDONMENT
	CHANGE FLANS	OTHER	109 [V.]	<del></del>	
17. Describe Proposed or Completed Ope	rations (Clearly state all pertinent	details, and give pertinent dat	es. including e	stimated date of sta	rting any propose
5/12/75: Started 6" hole to 20" hol 2% Ca CL. Plug do cu. ft./sx. 750 te tested csg. w/500#  5/17/75: T.D. 248 LT&C csg. set @ 24 w/2% Ca Cl, plug d	drilling operations we to 96' ran 3 Jts. 1 wn @ 3:10 PM 5/12/75 mp. when Slurry mixed 30", no press drop, 0' sd. & lm. (14-3/4" 80' & cmt. w/900 sx. own 4:15 AM 5/17/75. #/30", no press drop.	//Rotary Moranco Co .6' 65# Casing, set cement circ., w/80 l, est. fm. temp. 6 drlg. Plug 3:00 & 12½" hole), Ran Howco Light ½# flo Cement circ. w/65	ntractor, @ 96' w/ sx. exce 50, compr AM 5/13/7 60 jts. cel 2% Ca sx. exce hole @ 1	5/12/75 T.E /180 sx. Classes, 1.32 Slucessive stream /5 WOC 12 hrs 9-5/8" 40# Second 1 to 150 sx 25 cs, 5/17/75 12:00 PM 5/17	O. Ream ss "C" + urry Vol. nght 565#, s. ST&C & 36# k. Class "C
	·	·			
18. I hereby certify that the information a	bove is true and complete to the be	st of my knowledge and belief.			
SIGNED M.L. Southe	erland TITLE	4gent		DATE 5/19/7	'5
APPROVED BY SECTION SOF APPROVAL, IF ANY	TITLE TITLE	SUPERVISOR, DISTRICT	T II	PATE MAY	2 0 1975

## State of New Mexico

Cl <sup>9</sup>		N.		
lify. Eve	1772	dike	vised	-105 1-1-89

State Lease - 6 copies Fee Lease - 5 copies		18 TE					Resources D						vised 1-1-89
DISTRICT I	ter d'ac						sfall électors			VELL API NO		<b>\}</b>	<b>ju</b> – s. Adřad Jan Justin skrivnich s
P.O. Box 1980, Hobb	•						N DIVISI	IU.		<u>30-015-3</u>	1400 <u></u>		3 42.4
DISTRICT IL P.O. Drawer DD, Arte	oie NIM 9921			رامه در در. <b>ده د</b>	2040 Pac		505 (1914)	n de Idea		i. Indicate Ty			19: FEE
	S18, INIVI 0021	.0		Sai	nta re, in	IVI O/.	303	,		. State Oil &	Gas Lease N	0.	1144
DISTRICT III 1000 Rio Brazos Rd.,	Aztec, NM 8	7410	: :		in in:		TANKS OF	不 一		200	VB	464	
WELLC	OMPLETION	ON OF	REC	OMPLET	ION REP	OÀT A	ND LOS		1 3				
1a. Type of Well: OIL WELL				- DRY	- OTHER	4. 1	1 0	7	7	. Lease Nam	or Unit Agr	eement N	lame
[ ,	—	·			:_/?	S	D 0.	31		OXY Hones	st John S	tate	
b. Type of Completi NEW WOR WELL OVE	v 🗀	PEN	PLUC BAC	<sub>k</sub> $\square$	G	PEC SPOIER	EIVED	131		二、京城 IT	detinations propriotive in de- de- de- de- de- de- de- de-	an i jaya da sa sa sa sa sa sa sa sa sa sa sa sa sa	er en la suu subbinden na s
2. Name of Operator		15 " . 1			1%	, 11,		<del>s</del>	8	. Well No.	**************************************	4/4 % A	and the second of the second
OXY USA WIP L		rtners	hip	<u>/ </u>	10	11	S	192	463	undid A	#	1 ~	and the same of th
3. Address of Operato		:	- 19.64 14.0	•		?>	20261317	114	9	. Pool name o	or Wildcat	y a yaya sana	ويسم العراض
P.O. Box 50250	Midland	i, TX	7971	0-0250		5681	20202			Under Carl	sbad Mor	row, S	
4. Well Location		1000					,		1700	a para 2			
Unit Letter_	<u> </u>	T200	Feet	From The	nor	<u>en</u>	Line and		<u> 1700</u>	Feet Fi	om The	ea	SCLine
Section 18			" Tow	nship 238	A	Paner	26E		NMP	orae£a M	Eddy	water constitute december of	County
10. Date Spudded	11. Date T.	D. Reach			ompi. (Ready			vatio		RKB, RT, G		4. Elev.	Casinghead
3/14/01	4/28/	01		7/10		41 1	34				**************************************	. •	
15. Total Depth		Plug Ba			17. If Multiple Many Zor	e Compl	. How 18.	Inte	ervals	! Rotary To	ols !	Cable To	ols
11780′		11726				ies?		וחע	lled By	R			
19. Producing Interva 11612-11618'	l(s), of this co	mpletion	ı - Top, I	Bottom, Nam	e	ক্ষা হ	ada Arvi eg kiri Kiloni	. :_	suma ne	2	0. Was Direct No	tional Su	rvey Made:
21. Type Electric and	Other Logs R	un			10.5					22. Was Wel	l Cored		
DIT/WIT/CXDI/(	NL/GRL				<u>.</u> .					No			
23.							all strings	set					
CASING SIZE		GHT LB.	/FT.		H SET		OLE SIZE	╄		MENTING RI	CORD	7	OUNT PULLED
13-3/8"	48#			718′	· · · · · · · · · · · · · · · · · · ·	17-1		120	<u>016ax-</u>	surface		N/2	. ()
9-5/8"	36#			2807′		12-1		9	80ex -	circulat	е	N/2	
7"	26#			9470′		8-3/	4"	17		BL-3260'		N/2	
			•			1.51		┼	,	1 Miles or one			
24			· .	ED DECO	DD.				los	(T)	DIC DEC	<del></del>	
24. SIZE	TOP			ER RECO	SACKS CE	MENT	SCREEN		25.	SIZE	ING REC		PACKER SET
4-1/2"	8933′		1178			W1121 V 1	CREEN		2-3/				
4-1/2"	9333,			<u> </u>	400sx					tvinte di	11260′	;	11260′
26. Perforation reco	ord (interval	size. a	nd num	her)	<u> </u>		27. ACID.	SH	OT. FI	RACTURE	E. CEMEN	IT. SO	EEZE, ETC.
	•			,			DEPTH IN	TER'	VAL	AMOU	YT AND KIN	D MAT	ERIAL USED
4SPF @ 11612-1	17018, 70	CB1 24	nore	8			11612-116				7-1/2% N		
					;		11612-116	18′	, <del>, , ,</del>	7350g 70	O foam w	/ 2504	0#_sand
28.					PRODU	CTIO	N						
Date First Production			ion Meth	od (Flowin	g, gas lift, pu	mping -	Size and type pu	unp)	) -	, <del>4</del>	Well Status		or Shut-in)
7/22/01		Flwg		·	<del> </del>				-	Ameda 12	Prod		
Date of Test 8/22/01	Hours Te	sted		oke Size	Prod'n For Test Perio	d	Oil - Bbl. 0		as - MCF <b>842</b>	Water 9	- Bbl.	Gas - C	il Ratio
Flow Tubing Press. 557	Casing Pr	ressure	Ca Ho	lculated 24- our Rate	Oil - Bbl.		Gas - MCF 1842	ŀ	Water -	Bbl.	Oil Gravity	- API -(	Corr.)
29. Disposition of Gas	(Sold, used	for fuel,	vented,	etc.)	:					4	nessed By	:	
Sold					***		:			G. He	nrich		
30. List Attachments	a 104 =	A		- /9 ±-\			•					•	(
31. I hereby certify th	C-104. D				this form is	trans and	L complete to 45	, has	t of 1	mowlodes s-	d bolis*		
I more of the my th	ene miorili		~~H UH	oom sides Ol	· enus IVI III IS I	uc aliü	compiete to the	Des	or nu my k	mowieuge an	a ociiei		
Signature	1. S				Printed	Dar	vid Stewart	-	mr.1	. Sr. R	ec Analw	at	alsloi

1	Submit 3 Copies To Appropriate District State of New Mexico	Form C-103
	Office District I  Energy, Minerals and Natural Resources	Revised March 25, 1999 WELL API NO.
	District II	30-015-3146
	District II 811 South First, Artesia, NM 88210 District III OIL CONSERVATION DIVISION 2040 South Pacheco	5. Indicate Type of Lease
	1000 Rio Brazos Rd., Aztec, NM 87410	STATE 🔀 FEE 🗆
	2040 South Pacheco, Santa Fe, NM 87505	6. State Oil & Gas Lease No.
- 1	SUNDRY NOTICES AND REPORTS ON WELLS (DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN OR PLUG BACK TO A	7. Lease Name or Unit AgreementName:
	DIFFERENT RESERVOIR. USE "APPLICATION FOR PERMIT" (FORM C-101) FOR SUCH PROPOSALS.)	OKY Honest John State
	1. Type of Well:	Or ( Ches, John D.
	Oil Well Gas Well S. Other  2. Name of Operator	8. Well No.
	OXY USA WTP Limited Partnership 192463	\
	3. Address of Operator P.O. BOX 50250 MIDLAND, TX 79710-0250	9. Pool name or Wildcat
ł	4. Well Location	Winders. Carlobad Morrow, South
	- TSCYBX ORLAND - AN TOLLAND OF A CONTROL OF	11-MUU 201 + d013 701 - 1- 11-700
		feet from the LASI line
	Section 18 Township 735 Range 76E	
	10. Elevation (Show whether DR, RKB, RT, GR,	etc.)
•	11. Check Appropriate Box to Indicate Nature of Notic	
	NOTICE OF INTENTION TO: SUPERFORM REMEDIAL WORK PLUG AND ABANDON REMEDIAL WORK	JBSEQUENT REPORT OF:  ORK ALTERING CASING
		DRILLING OPNS. 🔀 PLUG AND
	PULL OR ALTER CASING  MULTIPLE  POR  CASING TEST	
	COMPLETION CEMENT JOB	WAS DEED BY STA
	OTHER: OTHER:	TROP CLUMB CARP FOR A CARP TO THE CARP TO
	12. Describe proposed or completed operations. (Clearly state all pertinent details, an	
	of starting any proposed work). SEE RULE 1103. For Multiple Completions: At or recompilation.	ach welloore diagram of proposed completion
		the Administration of the American States
		A S
	See other side	The grape is
	765 0.16B 3.16C	OCORECEIVED
		ARTESIA
		2 Wol 63 L9
	•	
1	I hereby certify that the information above is true and complete to the best of my knowledge.	edge and belief.
1	SIGNATURE TITLE REGULATORY	Y ANALYST DATE 3(2) (O)
_	Type or print name / DAVID STEWART	Telephone No.915-685-5717
(	(This space for State use) ORIGINAL SIGNED BY TIM W. GUM	15A2 27 201
,	APPPROVED BY DISTRICT II SUPERVISOR TITLE	DATE
•		

ทั้งเ วียชาไทร stard : Hearing a bline will and in have in the united

DAN MURANAMON MO ... (Bur 4 (15), 2197AS Carlot ( ) City Carlot ( ) A service of

No. PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE LAST

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% AlOB + 10# LCM-1 + .25#/sx CELLOFLAKES + 1% CaCl, FOLLOWED BY 366sx 65/35 C/POZ W/ 6% BENTONITE + 2% CaCl<sub>2</sub> + 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

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% CaCl<sub>2</sub> + 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.

· 1995年 1997年 199

SAMPLE OF THE SUBSMENT OF SUBME

	EXXON Corp.	g #1	
Unit P		Township 235	Range 75c
	Expired Orill		
	of men offit	Intent.	

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

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•											
Artist states		OIL C	CONSERVATIO	N DIV	ISION		WELL API	NO.		^	20/14
1625 H French Dr.	Hobba, NDA 87240	OID	2040 South Pa	acheco			<del></del>		<u> </u>	71	. 0
District II 111 South First, Arte	NA NM 87210		Santa Fe, NM	875053	141516		5. Indicate		Lease FEE	N	
District III 1000 Rio Brazos Rd	Aztec, NM 87410		•	2277	,	<b>'&gt;</b> 谷	State Oil &	Gas Leas			·
District IV 2040 South Pacheco.	Santa Fe, NM 87505	OD DECOME	PLETION REPO	DT AND	VI OG	{	n \				
WELL C  la. Type of Well:	OMPLETION	OR RECUIVIF	LETION REPO			╌╬	7. Lease Name	or Unit Ag	reement N	ame	
OIL WE	LL GAS WEI	L 🛛 DRY 🗌	OTHER (9)	$-\frac{\partial \alpha_{\nu}}{\partial t}$	CEHICA	- [	2				
b. Type of Comp.	letion:		4	\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	ARTESIA	ł	္ကိုNeely C	om.			
NEW	WORK	PLUG	DIFF.	ζ,	COIA	_	~~\ ~~				
WELL X  2. Name of Operate	OVER DEEP	EN BACK	RESVR.	OTHER_		- d	8. Well No.	·			
2. Name of Operati		Oil and Rand	ch, Ltd. (151416)		(CZ 52 FZ		o. Won 110.		1		
3. Address of Oper	ator						9. Pool name or	Wildcat			
3	03 W. Wall Ave	., Suite 1800, N	Midland, TX 7970	1-5116				Cemet	ary (Mo	rrow)	:
4. Well Location							-				
Unit Letter	<u> </u>	60 Feet From Th	e South	Lin	e and	140	<u>)0                                    </u>	et From The	<u>East</u>		_Line
Section 2	29	Township 2	0 R	ange 25	·	N	IMPM	Co	unty Ed	ldy	
10. Date Spudded	11. Date T.D. Read	hed 12. Date (	Compl. (Ready to Prod.)		Elevations (	-	RKB, RT, GR,	etc.)	14. Elev.	Casinghead	
2-22-2001	3-28-200		WOPL		T		69' GR			3569'	
15. Total Depth	16. Plug Bac	i	If Multiple Compl. How Zones?	v Many	18. Interv Drilled B		Rotary Tools		Cable 1	[ools	,
9835'	97	'93'				,	0'-97	<b>'00'</b>			
19. Producing Inter WOPL	val(s), of this comple	tion - Top, Bottom,	Name				2	0. Was Dir		irvey Made	
21. Type Electric a	nd Other Logs Run		<del></del>				22. Was Well	Cored		VO.	
	•	esolution Later	olog Array/Repea	at Format	ion Test	er	1		No		
23.			RECORD (Rep				well)				
CASING SIZ		T LB./FT.	DEPTH SET	НО	LE SIZE		CEMENTING	RECORD	A	MOUNT PULI	ED
13-3/8"		18	406' 17-1/2"							None	
9-5/8" 4-1/2"		36	3004'				800 sx "C" 900 sx "C"			None	
4-1/2		1.6	9835'	°	-3/4"		900 SX	<u>C</u>	<del></del>	None	
						_			+	<del></del>	
24.		LINER RECO	SD .			25.	-	TUBING I	RECORD	· · · · · · · · · · · · · · · · · · ·	
SIZE	TOP	BOTTOM	SACKS CEMENT	SCF	EEN		SIZE		H SET	PACKER	SET
		<u> </u>				<u> </u>		<u> </u>		<u> </u>	
26. Perforation re	cord (interval, size, a	and number)		27.	ACID SI	LOT	EDACTION	CELEN	T COID	PZE ETC	
a. 1 dividuoii I	ज्याच्या प्रवाह आर्था, आर्था, श्रे	simistivot j			ACID, SI		FRACTURE AMO			EZE, ETC. TERIAL USE	5
	•			1							
28.		S. 4	PRODU				T sv. 22 = -				
Date First Producti	on I	Toduction Method (	Flowing, gas lift, pumpir	ng - Size and	type pump	ע	Well Status	(Prod. or Si	nut-in) WOPL		
Date of Test	Hours Tested	Choke Size	Prod'n For Test Period	Oil - Bbl	1	Gas	- MCF	Water - E	Bbl.	Gas - Oil Rat	io
Flow Tubing	Casing Pressure	Calculated 24-	Oil - Bbl.	Gas -	MCF	<u></u> у	Vater - Bbl.	Oil O	Gravity - A	PI - (Corr.)	
Press.		Hour Rate								()	1
29. Disposition of	] Jas (Sold, used for fu	el, vented, etc.)	UOPL					Test Witne	ssed By		-
10. List Attachment			o-Density/High Re	ecolution	Laterola		may/DET/E	MI No D	CT's =		
			sides of this form as							<u> </u>	
	7		Printed				•	-	-		
Signature (	al Brown		Name Carl Brow	vn	Ti	itle	Petroleum	Enginee	r	Date 4-1	2-01

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

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DRILLED TO TD. RAN AND CEMENTED 13.375" CSG.

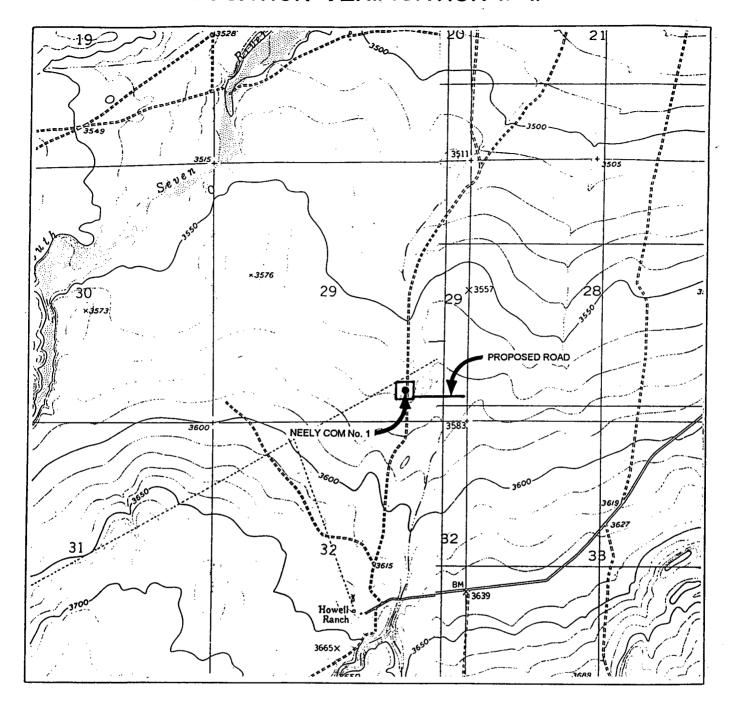
TOC AT 140' BY TEMP. SURVEY.

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.

## LOC TION VERIFICATION NAP



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.

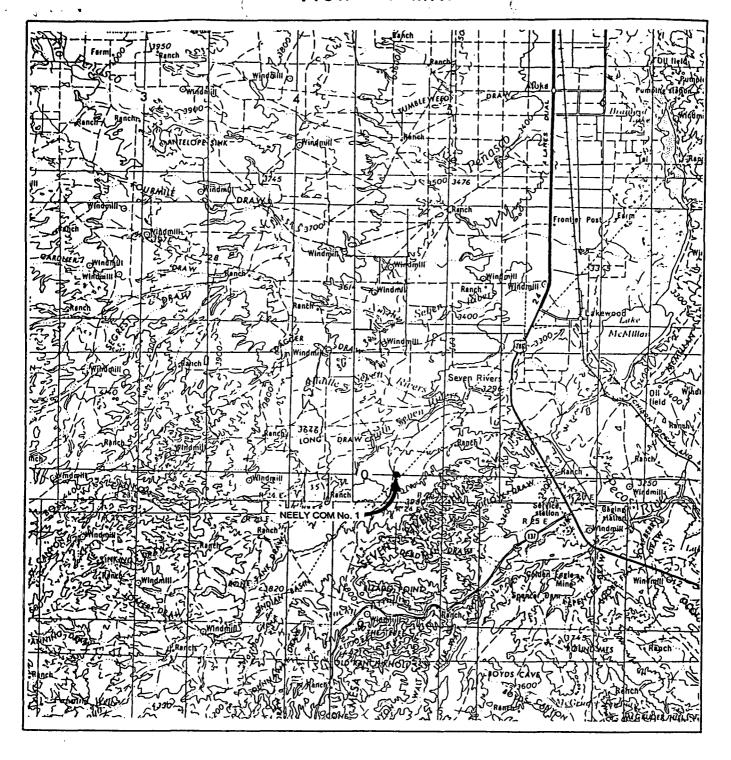
LEASE NEELY COM No. 1

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

SEC2	9TWP	<u> 20-S</u>	RGE	<u>25-E</u>
SURVEY_	N.M.P.M.			
COUNTY_	EDDY		_STATE _	NM
DESCRIPT	ION660' FS	L & 1	400' FEL	

OPERATOR FASKEN OIL & RANCH, LTD.

LEASE NEELY COM No. 1

ELEVATION \_\_\_\_ 3569

WTC 46033

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"

(140 Aetitoe: 1302)	IN STATES	SUBMIT IN TRIP TE-	Budget Bureau No. 1004-0135 Expires August 31, 1985
7134 0	J OF LAND MANAGEMENT	( verse mue)	NM-19422
A + 4 - NOV 00210			6. IF INDIAN, ALLOTTEE OR TRIBE HAME
Artesia, NUNDRY NOTI	CES AND REPORTS ON the to drill or to deepen or plug back rion for PERMIT—" for such property.	N WELLS t to a different reservoir.	
I.			7. UNIT AGREEMENT NAME
OIL GAS X OTHER	Dry /		
2. NAME OF OPERATOR  Mayne & Mertz, Ir		RECEIVED BY	8. FARM OR LEASE HAME Bluewater—Federal
3. ADDRESS OF OPERATOR		MAR 18 1986	9. WBLL HO.
P. O. Box 183. Mi	idland. TX 79702	mail 10 1300	. 1
P. O. BCX 183, Mi  4. LOCATION OF WELL (Report location cie See also space 17 below.)	early and in accordance with any Sta	te requiremente. D.	10. FIELD AND POOL, OR WILDCAT
At surface 1673' FWL & 660	O'FSL of Sec.	ARTESIA, OFFICE	West Dark Canyon Delaware
			11. SEC., T., E., M., OR BLK. AND SURVEY OR AREA
2N-NIE 7U/UI		•	g 10 m 22 g D 26 E
14. PERMIT NO.	15. ELEVATIONS (Show whether DF, RT	de de l	Sec. 18, T-23-S, R-26-E
		, un, euc.)	
Unknown	KDB: 3424'		Fddy New Mexico
16. Check App	propriate Box To Indicate Nati	ure of Notice, Report, or O	ther Data
NOTICE OF INTENT	ION TO:	BUBBEQU	ENT ESPORT OF:
TEST WATER SHUT-OFF	CLL OR ALTER CASING	WATER SHUT-OFF	REPAIRING WELL
FRACTURE TREAT	ULTIPLE COMPLETE	PRACTURE TREATMENT	ALTERING CABING
SHOOT OR ACIDIZE	BANDON®	SHOOTING OF ACIDIZING	ABANDONMENT
REPAIR WELL CI	HANGE PLANS	(Other)	of multiple completion on Wall
(Other)  17. DESCRIBE PROPOSED OR COMPLETED OPER proposed work. If well is direction		Completion or Recomple	of multiple completion on Well tion Report and Log form.)
See Attachment		NI OF	LAND
		FEB 1  FEB 1  FEB 1  FEB 1  FEB 1  FEB 1	3 1986  Mexico
18. I hereby certify that side foregoing is a	Myul_TITLE Pre	sident	
(This space for Federal or State office	fien	•	. O. of
APPROVED BY SECTION	TITLE		DATE 3-18-96
CONDITIONS OF APPROVAL, IF AN	<b>Y</b> :		

\*See Instructions on Reverse Side

Form 3160-4 (November 1983) (formerly 9-330)		 UI	ED	STA	NM 01	L CONS.  T DDSUBMI	COM	DUPLE	E•	I Francisco	t Bure	ved. eau No. 10040137 gust 31, 1985
	DEPAR	Z 1 141 f		, L E 1	CBTI 64	4 EILTOI	<del>8</del> 82	TO struc	ctions on rse side)	5. LEASE DE	SIGNAT	TION AND SERIAL NO.
	В	UREAL	J OF LAI	ND MAN	AGEME	NT	• •			NM-1	9422	<u>!</u>
WELL CO	MPLETIO	N OR	RECO	MPI FT	ION I	REPORT	AN	Da G	g i			TTEE OR TRIBE NAME
1a. TYPE OF WE	LL: (1	(i,	GAS WELL		RY X	1	FIV	FUBI		7. UNIT AGRI	EVEN	T NAME
L TYPE OF COM		ELL L	WELL L	B	RY (A)	ther	3 1	7 1006		1		
NEW WELL		EEP.	PITG BACK	DIF	vr. L	ther Pin	ged	& Aba	ındon	ds. FARM OR	LEASE	NAME
2. NAME OF OPERA	TOR						DNA			11		r-Federal
Mayne &	Mertz, In	C.				AMARA	ESM	MENCE	المشارع بيج يبهر	9. WELL NO.		,
3. ADDRESS OF OP	ERATOR				/\$	MILLE		1		10 21210 49	1	I/ OB/WILDCAT
P. O. BO	OX 183, M1	dland	rly and in	9702 accordance	e with an	y State requir	cmen!		<u> </u>	$\cup$ $\cup$	rld	cat _
P. O. Bo 4. LOCATION OF W At surface	L673' FWL	& 660	'FSL			TEB 13	100		۹ [	11. SEC., T.,		Canyon-Delawar
At top prod. in	terval reported	below	same		1	N:-	יטסו	5		OR AREA		•
					18	DIST. 6	A		/	0 1		122 0 0 26 11
At total depth	Salle	•		1 14 8	BUIT NO.	n.	N.M	-		Sec. 1		-23-S, R-26-E
					`	ed New	Me'	160000	,	PARISH Fddv	, L	
15. DATE SPUDDED	16. DATE T.D.	REACHE	D   17. DAT		(Ready t			714/83		RT, GE, ETC.)*	19.	New Mexico
10/26/83	11/8/83	}	1:	2/30/83	3		RK	В 3425	i' (đa	itum)		3411'
20. TOTAL DEPTH, MD			C T.D., MD &			TIPLE COMPL.,		23. INT		ROTARY TOO	LS	CABLE TOOLS
5057 <b>'</b>		plugg							<b>→</b>	0 - TD		
24. PRODUCING INTE	EVAL(8), OF TH	18 COMPL	ETION—TO	P, BOTTOM,	NAME (B	4D AND TVD)*					25	SURVEY MADE
nono	ع المسمدرات	ahand			-						ĺ	Mation
26. TYPE ELECTRIC	olugged &		lonea					· · · · · · · · · · · · · · · · · · ·	·	<del></del>	27. W	Totco
	DLL											No .
<b>2</b> 8. =	<u> </u>		CAS	ING RECO	)RD (Rep	ort all strings	set is	s well)	<del></del>			
CASING SIZE	WEIGHT, L	B./FT.	DEPTH 8	T (MD)	Но	LE SIZE		CEN	IENTING	RECORD		AMOUNT PULLED
13-3/8"	54.5			81 <u>'</u>	·/- <del></del>	-1/2"		50	)0 sks	5	<u>_</u>	none
8-5/8"				96'	-	-1/4"			30 sks			none
4-1/2"	10.5		50	56 <b>'</b>	. 7=	-7/8"		85	0 sks	3		<u>2600'</u>
29.		LINE	R RECORD	)	1		1	30.	7	rubing reco	RD	
SIZE	TOP (MD)	BOTT	OM (MD)	SACKS C	EMENT*	SCREEN (MI	p)	SIZE		PEPTH SET (M	D)	PACKER SET (MD)
21 22222	ann (Internal	 		<u> </u>			}					
31. PERFORATION RE	CORD (Interval,	ouse and	numuer			82.				URE, CEMENT		
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4795' - 4						4926' 4795'				00 gals 7 00 gals 7		
4684' - 4												s & 44.000# sd
		· · · · · · · · · · · · · · · · · · ·				4684	- 4	756'	300	00  gals  7	-1/2	% NEFE
33.* DATE FIRST PRODUCT	NOW 1 PRO	DI CEION	MERUOD (	Flamina		OUCTION						s & 35,000# sd B (Producing or
		, DUCTION	MAKRUU (	· www.ng, g	us ciji, pi	umping—elze	wn <b>G</b> []	урс ој рил	· <b>·</b> /	ehu	t-in)	•
never produ	HOURS TESTE	D   C	HOKE SIZE		N. FOR	OIL—BBL.		GA8—N	CF.	WATER—BBL		L & abandoned
		1		TEST	PERIOD	TEPTED F	OR_	RECO	:D		1	Past In-2
PLOW. TUBING PRESS.	CASING PRESS		ALCULATED	011,	BB1	GAS	196		WATER-	-BBL.	OIL G	BAVITY-API (CORIL.)
			<del>&gt;</del>	- 1		F-n 1	<u> </u>	206				2-21-86 ++H
34. DISPOSITION OF	iab (Bold, used )	or fuel, t	ented, etc.)			LER T	0 13	700		TEST WITNES	ged b	THI
35. LIST OF ATTACH	MENTS	<u></u> .	·	<del></del>						<u> </u>		
	-				CAR	ILSBAD, N	۳. ۱۴،	WEXIO		. *		in the second of the second of the second of the second of the second of the second of the second of the second
36. I hereby certify	that the forego	ing and	attached in	formation	is comp	lete and corre	et as	determin	ed from	all available r	ecords	
SIGNED	RRY 1	en 1	41a	ypl	T-1-27	Presiden	nt			T. 4 (T. W.	. 2	2/7/86
	1/5 /			TI.					<del></del>	<del></del>		
	e (S	ee Instr	uctions a	nd Space	es for A	dditional [	ata	on Reve	erse Sid	e)		

Form 9-331 Urawer DI Dec. 1973 Artesta	
UNITED STATES  DEPARTMENT OF THE INTERIOR	5. LEASE NM-19422
GEOLOGICAL SURVEY RECEIVED	6. IF INDIAN, ALLOTTEE OR TRIBE NAME
SUNDRY NOTICES AND REPORTS ON WELLS  (Do not use this form for proposals to drill or to deal of or plug hack to a difference of the control o	rent
RUSWELL DISTRICT	8. FARM OR LEASE NAME Bluewater - Federal
1. oil gas well other  2. NAME OF OPERATOR	9. WELL NO. 7
Mayne & Mertz, Inc.  3. ADDRESS OF OPERATOR	10. FIELD OR WILDCAT NAMELY West Dark Canyon Delaware
P. O. Box 183, Midland, TX 79702  4. LOCATION OF WELL (REPORT LOCATION CLEARLY. See space	11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA
below.) AT SURFACE: 1673' FWL & 660' FSL of Sec. AT TOP PROD. INTERVAL:	Sec. 18, T-23-5, R -26-E  12. COUNTY OR PARISH 13. STATE  Eddy New Mexico
AT TOTAL DEPTH:  16. CHECK APPROPRIATE BOX TO INDICATE NATURE OF NOTI	CE, 14. API NO. 14. 17. 17. 17. 17. 17. 17. 17. 17. 17. 17
REPORT, OR OTHER DATA	15. ELEVATIONS (SHOW DF, KDB, AND WD)  KDB: 3424
REQUEST FOR APPROVAL TO: SUBSEQUENT REPORT OF: TEST WATER SHUT-OFF  FRACTURE TREAT	RECEIVED BY
SHOOT OR ACIDIZE	MAYINOTE: Report results of multiple completion or zone change on Form 9–330.)
MULTIPLE COMPLETE	O. C. D. ARTESIA, OFFICE
17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly including estimated date of starting any proposed work. If well	state all pertinent details, and give pertinent dates, is directionally drilled, give subsurface locations and

17. DES incl

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 18. I hereby certify that the foregoing is true and correct (This space for Federal or State office use)

APPROVED BY CONDITIONS OF APPROVAL, IF ANY:

<del>FOR RECO</del>RD

MAY 1 0 1984

Form 9–331	<u>@</u>	NM OIL CONS	- CO	MI C	Form	Approved. et Bureau No.	A2_B1A2A
*Døc. 1973	TED STATES	Artesia, NM	00			77 Dureau 110.	42-11424
			0.0	215ASE	<u> </u>	ာည် သည်	<b>5</b> 5
	T OF THE IN	RECENT					
GEOLO	GICAL SURVE	RECEIVED	6.	IF IND	AN, ALLOTTEE	OR TRIBE	IAME
		AN 19 IA	┪	<del></del>		<del>;</del> _	<u> </u>
SUNDRY NOTICES (Do not use this form for proposals reservoir, Use Form 9–331–C for suc			7.	UNIT A	IGREEMENT N	AME,	
reservoir. Use Form 9-331-C for suc	h proposals)		8.	FARM (	OR LEASE NAM	IE 🖟 💃	に 15 表示
1. oil gas well	other	IAY 14 1984	9.	Blue WELL	<u>water - Fe</u>	deral	•
2. NAME OF OPERATOR			1	. 1		***	14
Mayne & Mertz, I	<b></b>	O. C. D.	10	EIEI D	OR WILDCAT N	AME 4)/	7
3. ADDRESS OF OPERATOR	110.	RTESIA, OFFICE	1 -0.		Dark Cany		wa ko
		70700	11		, R., M., OR B		
P. O. Box 183, M			-≀	AREA	., K., W., UK د	LK. AND SC	SE OK
4. LOCATION OF WELL (REP below.)	ORI LOCATION (	LEARLY. See space 1/	1		18, T-23-	S. R-26	-Ë́
	FWL & FSL (	of Sec.	12		Y OR PARISH		
AT TOP PROD. INTERVAL		,, ,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,		Eddy	2	New Me	
AT TOTAL DEPTH:		•	14			MCM LI	5X 1C0
16. CHECK APPROPRIATE BO	Y TO INDICATE	NATURE OF MOTICE	-  14.	API NO	•		
REPORT, OR OTHER DAT		NATURE OF NOTICE,	- <u>-</u> -		TIONS (011011		
na on, on ornan on			15.		TIONS (SHOW	DF, KDB,	AND WD)
REQUEST FOR APPROVAL TO	: SUBSEO	UENT REPORT OF:	L	KDB:	3424		
TEST WATER SHUT-OFF	]						
FRACTURE TREAT	i .	Ħ			á i		Sept 2
SHOOT OR ACIDIZE	j						· :
REPAIR WELL	]		(N	OTE: Rep	ort results of mu	iltiple complet	ion or zone
PULL OR ALTER CASING	]			cha	inge on Form 9-	330.)	. "
MULTIPLE COMPLETE	[				# 4 A B # = B		79 1
CHANGE ZONES  ABANDON*	<u> </u>	片				150	. ::
(other) Casing & ceme	: nting Donovi	<u> </u>			9 <b>និង</b> ស		<u> </u>
(other) ous illo a celle	neina vehori	<b></b>			**		* * \$
17. DESCRIBE PROPOSED OR	COMPLETED OF	ERATIONS (Clearly sta	te all	pertinen	t details, and	give pertine	ent dates,
including estimated date of	of starting any pro	oposed work. If well is o	directio	onaliv di	rilled, give sub	surface loca	tions and
measured and true vertical	depths for all ma	irkers and zones pertine	nt to t	nis work	or marks	$S_{i} = S_{i+1}$	4 S
CASING:	15061 of 0	) E/O!! / ·20# / 1	EE /	CTC	<u></u>	3 6 3	<i>i</i> ;
CASING.	1050 01 6	3-5/8" / 28# / J	-55/	316	3750		÷ ; ;
	Date set -	11/2/03			5.00		
OFIAFAIRELIA	500 : -	uan taria			- 蒋安全景度·		7.5
CEMENTING:	580 sks c	ass "C" w/ 2% C	ac1 <sub>2</sub>		- 養養養問題		
	Top of cer	ent @ surface	_		# 5 5 5 5		\$ .*
	TOP OF CEN	icht e sui iace			23818		
	•				86637	6	n ig st. ∳
DDECCHDE TECT.	1000	علانا مسلس 10 لالم	<b>L</b>			3 / 3	
PRESSURE TEST:	TOOO BS1 L	eld 30 mins wit	n no	pres	sure, arop	2.9	·:

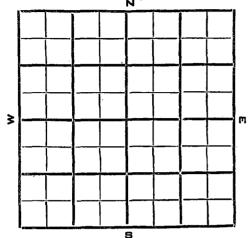
Subsurface Safety Valve: Manu. and Type	Halliburton float collar	·	Set @ _	1555	Ft.
18. I hereby certify that the foregoing is true	Pracidon T	ATE	1/12/84	4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4	
	Repace for Federal or State office use)		# 1		
APPROVED BY SWA	TITLE	DATE .	(공) (홍수 (명) 기업공(유) (명)		

MAY 1 () 1984

### SCOUT REPORT

#### NEW MEXICO

30-015-00375 OIL CONSERVATION COMMISSION



Farm Name Ramuz	Well No. 1
Land Classification State	
Sec. 18 Twp. 23 Range 2	6 County Eddy
Feet from Line: 660 N. S.	E. 1980 W
Elevation	Method
Contractor Moran Drilling Company	Scout
Spudded 1-18-40 Completed ( 17-44	Initial Production

		S							
	Amo	unt		ACID RECORD			TA	<u> </u>	
Casin	g and Cen	nenting F	Record	Gals.			TS	3	·
Size	Feet	Inches	Sax				BS	3	
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				and the second s				· · · · · · · · · · · · · · · · · · ·	<del></del>
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JAN 3 1 40	<u>«</u>				\$UL 17	7016	1.5 113 1		
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JUN 2 G			4.23	19 / June 1818 11	— <del>                                     </del>	1			
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001.2	1.6	60 5	101			<u> </u>			

Form C 102	PLICATION M
1 11	The state of the s

MEXICO OIL CONSERVATION COMMISSION

Santa, Fe, New Mexico

#### MISCELLANEOUS NOTICES

MISCELLANE	COUS NOTICES 77 2 12	<u>m</u>
Submit this notice in triplicate to the Oil Conservation to begin. A copy will be returned to the sender on whis sidered advisable, or the rejection by the Commission of the followed, and work should not begin until approval	ich will be given the approval, with any medification agent, of the plan submitted. The blan as suppose	d should
Regulations of the Commission.  Indicate nature of n	otice by checking below:	
NOTICE OF INTENTION TO TEST CASING SHUT-OFF	NOTICE OF INTENTION TO SHOOT OR CHEMICALLY TREAT WELL	<del></del>
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 DEEPEN WELL	NOTICE OF INTENTION TO PLUG WELL	<u> </u>
•	New Mexico August 9 1940 Place Date	
OIL CONSERVATION COMMISSION, Santa Fe, New Mexico.		
Gentlemen:		
Following is a notice of intention to do certain work as		
E Paul Moran #1 Ram Company or Operator Lease	well No. 1 in	NESHMS
of Sec. 18 , T. 23 S , R. 26 E	, N. M. P. M., Wildest	Field,
Eddy County.		
FULL DETAILS OF PE FOLLOW INSTRUCTIONS IN THE RULE	ROPOSED PLAN OF WORK ES AND REGULATIONS OF THE COMMISSION	
	and came up aproximately 1500	dm diba
hole. We are cementing this	water with 10 sacks of coment.	1B VA( 製(11
leave in the hole between 2	200 and 250° of cemented pipe wh	ich wa
	intered at 1563'. After balance	
is pulled willfill hole wit	th mud up to 2508 from the surfa	ce and
cement with 10 sacks of cem	ent to protect whatever surface	waters
there may be above, then wil	.1 aud hole up to near the surfa	ce and
palce a cement cap with reg	ulation 4" pipe as marker for t	his wel
		**************************************
<b>3830 1</b> 4 1046		
AUG 1 4 1940	E Saul moran.	
Approved, 19, xcept as follows:	Company of Operator	
	Ву	
	PositionSend communications regarding well t	 0
oil conservation commission,	Name	
B. Roy wanherough	Address	
On about		
Title U. T. ENLAS INSPECTOR	Zās Birdini 1800 banca biranna tirba uga essinadri brindici brindeca aranda na maranda maranda	

## PUPLICATION

### TEXICO OIL CONSERVATION COMPASSIO

Santa Fe, New Mexico

#### NOTICE OF INTENTION TO DRILL

Notice must be given to the Oil Conservation Commission or its proper agent and appropriated before included 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 with the commission additional instructions in Pulse and Regulations of the Commission.

additional inst	tructions in 1	Rules and Regulation	s of the Commission RLSBAD, N. N	_	10.1940	
OIL CONSER	VATION CO		Pl	ace	Date	9
Gentlemen:		e, New Mexico				
You are l	hereby notifi	led that it is our inte			well to be known	
		RAMUZ	oton Toons	We	11 No. 1 in	
of Sec18	, т23	S Company of Oper.	M. P. M., Dark	Canyon	Field,Eddy_	County.
	N.		_		North line and	
		[E.] [W.]	of the West	ine of Sec I	8 Twp. 23 S	Rnge. 26 E.
<b> </b>		(Give location	n from section or oth	er legal subdivis	ion lines. Crossoutwi	ong directions)
		If patented 1	and the owner is	Ramuz , C.	arlsbad, N. A	
	_ _ _	Address				
		If governmen	at land the permitte	e is		
		Address				
		The legged is	D. C. DeVi	Lto		
	_				lend, Texas	
AREA	640 ACRES	<del></del>	·			
LOCATE W	640 ACRES	CTLY We propose	to drill well with	drilling equipmen	it as follows:	
Mo	del Sup	er D Forth W	orth spudder	•		
	•	lowing strings of cas		cement them as i	ndicated:	Sacks
Hole	Casing	Weight Per Foot	Second Hand	Depth	Cemented	Cement
10 "	84 "	30#	S. H.	Approx	1501 Cmt. 25	Sx.
8 #	7 #	20#	New	13501	Cmt. 100 s	1
T.O1	41 - 1				this neces	ssary to us
						We estimate
tnat tne 11rst Additional inf		il or gas sand should	l occur at a depth of	about 1000	feet.	
Althoug	h the s	alt sction sl ted according	nould not be	found on es and reg	this locatio	n it it should
	1	MAY 3 1 1940		***		
Approved		MILLI O =		Sincerely yours,		
except as foll	ows:		'	E. Peul M		
			•		Morlow.	
			1	By Self.		
			1	Position 0 W	ner	
∆tf.	CONSTIDU	ATION COMMISSION	, / S	Send communicat	tion regarding well	to
OIL.	JUNDER V	LA HILL COMMISSION	och.	Vame	_	

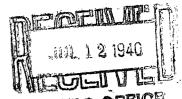


Title

#### 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 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 NOTICE OF INTENTION TO SHOOT OR SHUT-OFF X CHEMICALLY TREAT WELL NOTICE OF INTENTION TO PULL OR NOTICE OF INTENTION TO CHANGE PLANS 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 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 Company or Operator Wildoat of Sec. 18 ....., T. 23 south R. 26 east , N. M. P. M., .... 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. onwith Tuesday. July 9th. Will drill cement plug on friday, July 12th., and test for shut-off. Estimated to use 14 sacks of cement. JUL 1 2 1940 Paul Moran. Approved except as follows: Position Send communications regarding well to E.Paul Moran "OIL CONSERVATION COMMISSION. Name Carlabad, New Mexico.



## W MEXICO OIL CONSERVATION COMMISSION Santa Fe, New Mexico

#### MISCELLANEOUS REPORTS ON WELL

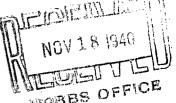
Submit this report in triplicate to the Oil Conservation Commission or its proper agent within ten work specified is completed. It should be signed and sworn to before a notary public for reports of drilling operations, results of shooting well, results of test of casing shut-offs, result of plugging 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.

other important operat operations need not be Regulations of the Con	tions, even though the work versigned and sworn to before mmission.	was witnessed by an agent a notary public. See add	of the commission. Report ditional instructions in the	rts on minor ne Rules and
	Indicate nature	of report by checking be	low:	
REPORT ON BEGINNING	DRILLING OPERATIONS	REPORT ON REPAIR	ING WELL	
REPORT ON RESULT OF TREATMENT OF WE	SHOOTING OR CHEMICAL	REPORT ON PULLIF ALTERING CASI	NG OR OTHERWISE	
REPORT ON RESULT OF SHUT-OFF	TEST OF CASING	REPORT ON DEEPE	NING WELL	
REPORT ON RESULT O	F PLUGGING OF WELL			
	Carlsbad.	New Mexico.	August 1 194	0
OIL CONSERVATIO Santa Fe, New Mexic Gentlemen:	N COMMISSION	Place	Date	
	on the work done and the res			
E. Pe	Aul Moran	Ramuz Lease	Well No. 1	in the
	of Sec18		R.26 east	J. M. P. M.,
	Field,			
	rk were as follows:			
for Halliburto at the casing	•	off. Halliburto it to be a perfe the open format	n placed 600 lbect shutoff. Wat	s.pressure er coming
Witnessed by	D. C. De Vito	Inder	endent	tid which and a link and a colline and the
	Name	Company	Ť.	tle
Subscribed and sworn day of		Name	Saul mar	an Juner-
My Commission expi	res ouques 5,194/	Address	Company of O	•
Remarks:			Rose Work	Per andilo

Roy yankspeegk



#### 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 natu	re 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					
	elshed New Mertes Nov 7 1940					
OIL CONSERVATION COMMISSION Santa Fe, New Mexico. Gentlemen:	elsbad, New Mexico Nov 7 1940 Place Place	Control of the Contro				
	esults obtained under the heading noted above at the					
E. Paul Moran Company or Operator	RamızWell Nol	in the				
	T. 23 south, R. 26 east, N. M.					
	Eddy	County				
	gust 10-15th., Nov.5-6th., 1940					
	submitted on Form C-102 on August 9 1 obtained. (Cross out incorrect words.)	9 <b>4</b> . <b>0</b> -				
	WORK DONE AND RESULTS OBTAINED					
of 7 inch which was cement Filled hole with mud up to with 10 sacks of cement in Left 100 feet of $8\frac{1}{4}$ inch applaced a cement cap with must be seen to say with the same of the same	808 feet with 10 sacks. Left 235 feed to shut off water encountered at 225 feet from the surface and cemer order to protect any surface water surface pipe. Filled hole up with mulegulation 4" pipe as marker.	1563-66' nted s. d and				
Witnessed by D.C.De Vito and Go	Company Title	4.3 - 4.4 - 4.1 - 6.1 -				
Subscribed and sworn to before me this 12	I hereby swear or affirm that the information above is true and correct.  Name E Saul Movau	ı given				
day of taxentic, 194	PositionQwner	A				
Notary Public	Representing Company or Operator					
My Commission expires august 519	Address Carlabad, New Max100.					

Remarks:

OIL & GAS INSPECTOR

Ťitio

SCOUT REPOR **NEW MEXICO** 30-015-00375 OIL CONSERVATION COMMISSION Company Committee Moran Farm Name Well No. 1 Ramuz Land Classification State Range Sec. 18 Twp. 23 26 County Eddy Feet from Line: } 660 E. 1980 Method Elevation Scout Contractor Moran Drilling Company 1-18-40 Completed ( ) This Initial Production Spudded **Bond Status** ACID RECORD TA Amount TS Casing and Cementing Record Gals. Sax BS Size Feet Inches TRS TBL TD Top Pay SHOOTING RECORD Tubing Record No. of Quarts Shot at Feet No. of Quarts Shot at 5810 46 1563.6 S/0 S/0 S/0 S/0 DATE DATE Spudded 1-14 JAN 3 1 40 FEB 7 375 FEB 1 4 40 FEB 2 140 FEB 2 8'40 IIC M MAR 6 - 40 MAR 1 3'49 MAR 20 40 AUG 21 MAR 27 40 APR MAY 1 JUN 5 JUN 12 JUN 18

JUL 2

	-LIL	YEW EXICO	OIL CONSERVA Santa Fe, New Me	ATION COMPA	M H	<b>9. 11</b>
المرابعة	-	NOTICE	OF INTENTIO	N TO DRILL	- K MAN	2 1 is 40
Notice must be	e given to the	e Oil Conservation (	Commission or its p	proper agent and	appropal potatned	before druite
returned to the	he sender.	Submit this notice Rules and Regulation	in triplicate. One	copy will be	returned Mildwing	approval. See
		CA	RLSBAD, N. M	. Jan.	10,1940 Date	
OIL CONSER		MMISSION,	Pla	ace	Date	
Gentlemen:		e, New Mexico		41 7		-
					well to be known a	
18	23	S Company or Opera	tor Lease	wer	l No. 1 in Eddy	
of Sec.	, T	, R, N.	M. P. M., Dark 660 ft	Canwon	Field, Budy North line and	County.
<del> </del>	N.		_		B Two. 23 S	
		1 1			on lines. Crossoutwr Assignment No	
		If patented 1	and the owner is	Ramuz , Ca	rlsbsd, N. M	•
		Address	and the owner is—			
			nt land the nermittee	e is		
		Address				
		The lessee is	D. C. DeVi	to		
					end, Texas	
AREA LOCATE W	640 ACRES	TLY We propose	to drill well with d	rilling equipmen	t as follows:	
		er D Forth N	anta waaddaa			
is as follows:	gas.	•	can Emp. Ins	. Co.	and Regulations of a	
Size of Hole	Size of Casing	Weight Per Foot	New or Second Hand	Depth	Landed or Cemented	Sacks Cement
10 "	84 "	30#	S. H.	Approx 1	50	
Q ft	- 't					
	7 °'	20∦	New	1350'		ssary to use
If changes in	the above pl	an become advisable	we will notify you	before cementin	g or landing casing.	*We estimate
		l or gas sand should	occur at a depth of	about <b>1</b> 500	feet.	
Additional info						
I WILL DO	1) max * a a t	od ooosadam.			this location	n it
be enco	untereo.		to the rule	as sud tak	urations i	it should
*		1AY 3 1 1940	•	•		
rcept as follo			, 19 S	incerely yours, E. Paul Mo	)ren	
į	:BWC					
	OW8;		. ·	E. Paul -	morpow.	
	OW8;		·	E. Paul C		
	ows:			E. Paul Co	Mercow.	A
•	OW8;		E P	E Paul Con Self.	ompany or Operator	
N.	<i>Ç</i> onserva	TION COMMISSION	E P S	Self.  osition Owr  end communication	ompany or Operator	
OIL By <b>1</b> Title	gonserva Loy	TION COMMISSION	e P S S	E Paul Control September 19 Self.  Solition Own on the communication of	ompany or Operator	<del>1:. 409</del>

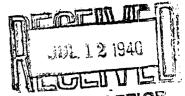
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NEW MEXICO OIL CONSERVATION COMMISSION

Santa, Fe, New Mexico

#### MISCELLANEOUS NOTICES



	and the same of th	MISCELLA	NEU	US NOTICES WILLIAM	
sidered be foll	advisable, or the reject	ction by the Commiss I not begin until app n.	sion or a provai 's	mission or its proper agent before the work in will be given the approval, with any modificate gent, of the plan submitted. The plan as approvable obtained. See additional instructions in the I	red should
	,	Indicate nature	of notic	e by checking below:	
	CE OF INTENTION TO HUT-OFF	O TEST CASING	X	NOTICE OF INTENTION TO SHOOT OR CHEMICALLY TREAT WELL	
NOTI	CE OF INTENTION TO	O CHANGE PLANS		NOTICE OF INTENTION TO PULL OR OTHERWISE ALTER CASING	
NOTIO	CE OF INTENTION TO	REPAIR WELL		NOTICE OF INTENTION TO PLUG WELL	
NOTIO	CE OF INTENTION TO	DEEPEN WELL			
		Car	lsbad	. New Mexico. July 7 1940	
				Place Date	}
OIL C Santa Gentler	ONSERVATION COMB Fe, New Mexico. men:	AISSION,	•		
Follow	ing is a notice of intent	ion to do certain wor	k as desc	cribed below at the	*********
E	. Paul Moran,	Ram	ız	Well No. 1 in NI	SHNM#
of Sec.			est, N	M. P. M., Wildcat	Field,
	ימד	III. DETAILS OF	ם∩מס ז	OSED PLAN OF WORK	
				ND REGULATIONS OF THE COMMISSION	
	Running 7 in	ch O.D. to sh	ut-of	f water. Halliburton doing th	1e
	cementing jo	b, on <b>xkki</b> Tue	esday,	July 9th. Will drill cement	t
	plug on frida	ay, July 12th	1., an	d test for shut-off.	
	Esti	mated to use	14 sa	cks of cement.	
		JUL 12 1940			
Approv	ed	1	9	E. Paul Moran.	
except	as follows:	<u> </u>		Company or Operator	
	•	<b>₩</b> *-	;	By E. Saul Moran.	***************************************
	yers in u		1	PositionSend communications regarding well t	,
	OIL CONSERVATIO	N COMMISSION A	1	Send communications regarding well to E.Paul Moran	U
	De NO 11 No	which will		0-1-1-1 N -1 1	
	by the garden	was in the		Address Carlsbad, New Mexico	

# TUPLICATE

## W 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 and the work specified is completed. It should be signed and sworn to before a notary public for reports on designing 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.

operations need not be Regulations of the Cor	e signed and sworn to bei nmission.	ore a no	tary public. See	additional instruct	ions in the Ki	nes and
_	Indicate nat	ure of re	port by checking	below:		
REPORT ON BEGINNING	DRILLING OPERATIONS		REPORT ON REPA	IRING WELL		
REPORT ON RESULT OF TREATMENT OF WE	SHOOTING OR CHEMICAL		REPORT ON PUL ALTERING CA	LING OR OTHERW	ISE	
REPORT ON RESULT OF SHUT-OFF	TEST OF CASING	X	REPORT ON DEE	PENING WELL		
REPORT ON RESULT O	F PLUGGING OF WELL	_				
	Carlaba	ad. Ne	Wexico.	August	1 1940	
OIL CONSERVATIO Santa Fe, New Mexic Gentlemen:	N COMMISSION	·	Place		Date	
***.	on the work done and the					
	ul Moran			Well No	1	in the
	pany or Operator of Sec18	<b>,</b>	Lease	P 26 -00-t	NT 11/1	D M
	Field,					
`\	k were as follows:					
for Halliburto At the casing	plug, 2 bailers in to test for sh head and declare er was absorbed ing.	ut off	?. Halliburt to be a peri	on placed ( ect shutof:	600 lbs.; f. Water	ressur comina
Witnessed by	D. C. De Vito	•	Inde	pendent		
Withesset by	Name		Company		Title	
_	to before me this 194		I hereby swea above is true Name		novar	Ú.
1	7		Position		an	iner-
Time so.	Notary Public	nal days of the dis	Representing	Conti	pany of Operato	
My Commission expi	res ourque 5,19	41	A ddress	Join	Emma of Oherano	-

Remarks:

Roy garlespeegh

	a T. F		•
Form C 1021 0 1	211		
TITLL	NEW MEXICO	OIL CONSERVATION	COM
	سالي	Santa, Fe, New Mexic	0
	MISCEL	LANFOLIS N	

AUG 14 1940

BBS OFFICE

to begin. A copy will be returned to the sender on wh sidered advisable, or the rejection by the Commission be followed, and work should not begin until approva Regulations of the Commission.	or agent, of the plan submitted. The tilan as approved	l should
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	
NOTICE OF INTENTION TO REPAIR WELL		
NOTICE OF INTENTION TO DEEPEN WELL	NOTICE OF INTENTION TO PLUG WELL	X
OIL CONSERVATION COMMISSION, Santa Fe, New Mexico.	, New Mexico August 9 1940 Date	
Gentlemen:		
Following is a notice of intention to do certain work as  E Paul Moran #1 Ran  Company or Operator Lease	Well No. 1 inN	
Pf Sec. 18 , T. 25 S , R. 26 E County.	., N. M. P. M., Wildcat	_ Field,
Struck water(salt) at 1808 hole. We are cementing this leave in the hole between 2 ran to shut off water encous pulled willfill hole wit cement with 10 sacks of cemthere may be above, then will	and came up aproximately 1500's water with 10 sacks of cement. We water with 10 sacks of cement. We water with 1563'. After balance of the mud up to 250°s from the surface the mud up to 250°s from the surface and the protect whatever surface all mud hole up to near the surface fulation 4" pipe as marker for this	Will ch we f pipe e and waters e and
AUG 1 4 1940 Approved	E Caul Moraw.  Company of Operator  By  Position  Send communications regarding well to  Name	

# FERM CLIEST AT

## 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.

operations need not be signed and sworn to before Regulations of the Commission.	re a not	tnessed by an agent of the commission. Reports ary public. See additional instructions in the I	Rules and
Indicate natur	re of re	port 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	х		
OIL CONSERVATION COMMISSION Santa Fe, New Mexico. Gentlemen:		New Yexido Nov 7 1940 Place Date	
Following is a report on the work done and the r  E. Paul horan  Company or Operator			
Company or Operator  Conter NELNWL of Sec. 18		•	
The dates of this work were as follows: Au			
Cemented bottom water at 1 of 7 inch which was cement Filled hole with mud up to with 10 sacks of cement in	WORK I 808 f ed to 225 orde urfac	d. (Cross out incorrect words.)  DONE AND RESULTS OBTAINED  eet with 10 sacks. Left 235 f  shut off water encountered a feet from the surface and cem r to protect any surface wate e pipe. Filled hole up with m	<b>88tmf</b> t 1563-66' ented
Witnessed by <u>D.C. De Vito and Geo</u>	rge. R	oundey, Independent Operators Company Title	الاقتاد المستحدد المستحدد المستحدد المستحدد المستحدد المستحدد المستحدد المستحدد المستحدد المستحدد المستحدد الم
Subscribed and sworn to before me this 12		I hereby swear or affirm that the information above is true and correct.  Name E aul Marlance	
mine on mensummer		PositionQwner	<u> </u>
Notary Public	<u></u>	Representing Company or Operat	ior
My Commission expires water \$194		Address Carlabad, New Mexico	.A

Remarks:

OIL & GAS INSPECTOR

Tites

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

Davs on Location: 1 Total Depth (Tvd): Amt Drilled (Tvd): 0 P.B.T.D. (Tvd):

P.B.T.D. (Mtd): Perforations:

Formations:

SURFACE ROCK

Pros Opra:

Mud Wt:

DRILLING

Mud MB:

Daily Cost: \$87151

CUM COSt: \$90651

AFE Cost: \$0

CMIC: BOWKER

Mud Data

Daily Mud Cost: \$1398

#2 Line Sz: 5.5

Shoe Test:

Last Casing Sz: 20

BHA Wt in Mud: Drill Collar #: 7

Drill Collar OD:8

Drill Pipe O.D.:4.5

CUM Mud Cost: \$1398

Pump Data

Mud WE:

SPR Depth: Pump Press: 650 #1 Line Sz: 5.5

Stroke Len: 16 Stroke Len: 16

6.25

Max SPM:60 Max SPM:

AV DP: Vol:

Funnel Visc: 28

Mud MP:

Vol:

Casing String Data

Depth: MACP:

Liner Size: String Wt: 45000 Wt BLW Jars: BHA LG:354.77

Rtmm -Mud WE:

Solids %:

Rot Hrs: 11,25 P.U. Wt: 45000

\$0 Wt:45000 4 1/2XO

Tool Joints: 6 5/8REG Tool Joints:XO

Bit Data

Size: 17.5 Surf HHP: Amt Drld:355

Jets #1:12 Jets #1:12

Type: MSS3 HHP; Rot Hr:11.25

#3:13

#3:13

Make: SEC In/Out:40 WOB Hi/Lo:45/20 RPM Hi/Lo: 110/80

Serial #: D09872 HP/12:

HP: ROP: 31.56

IADC:

Bit Torque: Bit Torque:

#4: Survey Data

#4:

200

Angle Direction N or S E or W Section Leg

Max: 60

#2:13

#2:13

-- Coordinates -- Vertical Dog

Max:

CG.

Bit

RPM

Rig Time Data

BGG Avg:

Mud Log Data

Inspect DP. Rig Service: Stimulating: Trip Tubing:

Drlg Cement:

ROP Ft/Hr Avg:30

Wash Ream: Rig Repair: Surveying: 0.25 Trip Rods: Other: 5

Swabbing: Observe: Drilling: Tripping:

Abandon: Rig Down: 11.25 Logging: WOC: 0.5

C & CM: 1 Rig Up: Fishing:

Misc Data

Personnel Contract: 13 Rig Fuel: 10136 Used:

OXY: Recv'd: 10136 Bar on Loc:

Service:

Detail Remarks:

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. MIRU UTI DRILLING

RIG 207. SPUDDED 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

Page 2

#### 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 Amt Drilled (Md): 324 Total Depth (Tvd): Amt Drilled (Tvd): 0 P.B.T.D. (Tvd): P.B.T.D. (Mtd): Perforations: SURFACE ROCK Formations: WOC Pres Opra: Daily Cost: \$28651 CMIC: BOWKBR AFE Cost: \$0 CUM Cost: \$119302 Mud Data

8.3

Mud Wt: Mud MB: Mud MP: Funnel Visc: 28 Solids %: Daily Mud Cost: \$1365 CUM Mud Cost: \$2763 Pump Data SPR Depth: Mud Wt: Av DP: Pump Press: 750 Av DC: Max SPM: 60 #1 Line Sz: 5.5 Stroke Len: 16 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: Topa: Btma: BHA Wt in Mud: Rot Hrg: 27,25 Wt BLW Jars: BHA LG: Drill Pipe O.D.:4.5 Tool Joints:XO Bit Data

Bit:1 Size: 17.5 Туре: М553 Make: SEC Serial #: D09872 IADC: Surf HHP: HHD: In/Out:40/719 HP/12: tHP: WOB Hi/Lo:45/20 RPM Hi/Lo: 110/80 Amt Drld:679 Rot Hr:27.25 ROP: 24.92 Jets #1:12 TFA: #2:13 #3:13 #4: Bit Torque: API Grading T:2 B:2 G:I Remarks:

Survey Data --Coordinates-- Vertical Dog MD TVD Angle Direction N or S E or W Section Leg 387 0.75 719 0.5

Mud Log Data ROP Ft/Hr Avg:20 Max: 30 BGG Avg: Max: CG:

Rig Time Data Inspect DP: Wash Ream: 1.5 Swabbing: Abandon: C & CM: 0.75 Circ Sample; Completing: Run Tubing: Cementing: 1 Coring: Cut DL: Set Packers:

Run Casing:2.5 Set Plugs: Drv Pipa: Stimulating: Drilling: 16 Tripping: 1.25 Surveying: 0.5 Fishing: Logging: Trip Tubing: Trip Rods: WOC: WOW: Misc Data

Personnel Contract: 13 Rig Fuel: 7298 Used: 1183 OXY; Service: 12 Recv'd: 0 Bar on Loc:

Detail Remarks:

DRILLED TO CASING POINT OF 719'. PUMPED SWEEP AND RAN WLS. POOR WITH BIT AND BHA. RU CASING CRBW. 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. AHRAD. MIXED AND PUMPED 200 SX CLASS H CONTAINING 1% CACL2, IN 10 BBLS F.W. AHRAD, 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 FW. F.D. AT 0540 HOURS MST 3-16-01 WITH 500#. LEFT WELL S.I. WOC. HAD NO CIRCULATION DURING JOB. MIKE STUBBLEPIELD 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 BOUIP

Rig#: 207

Contractor: UTI

Flag:

Days Since Spud: 2

Total Depth (Md): 719 Amt Drilled (Md): 0

Days on Location: 3 Total Depth (Tvd): Amt Drilled (Tvd): 0

P.B.T.D. (Tvd): P.B.T.D. (Mtd):

Perforations:

Formations: Pres Oprs:

Mud Wt:

Calcium:

PH Factor: 7

Chlorides: 1100

SURFACE ROCK TIH WITH BIT

Daily Cost: \$33346 CMIC: BOWKER

CUM Cost: \$152648

AFE Cost: \$0

Mud MB:

Mud PM:

HTP 500:

LCM:

Mud MP: Mud PF: Ex Lime:

Funnel Visc: 28 Mud PV: Elec Stbl:

Solids %: Sand %: Oil %: Oil/Wtr:

Daily Mud Cost: \$341

8.3

480

CUM Mud Cost: \$3104

Mud Data

Casing String Data

Last Casing Sz: 13.375 BHA Wt in Mud:

718 Depth: Rot Hrs: 27.25 Liner Size: Tope: Wt BLW Jars: BHA LG:

HTP 100:

SO Wt: 4 1/2XO

Drill Collar #: 7 Drill Collar OD:8 Drill Pipe O.D.:4.5

6.25

P.U. Wt: Tool Joints:6 5/8REG Tool Joints:XO

Bit Data

Bit:2	Size: 12.25 Surf HHP: Jets #1:12 Jets #1:12	Type: HHF: #2:12 #2:12	HR30C #3:12 #3:12	Make: HTC In/Out:719 #4: #4:	Serial #: G81JB HP/I2: Bit Torque: Bit Torque:	IADC: 547 \$HP:
-------	--	---------------------------------	-------------------------	---------------------------------------	---	--------------------

Rig Time Data

Nu-Nd BOP: 4.5 Pu-Ld BHA: Trip Tubing: Trip Rods:

Pu-Ld DP: Tripping:

Jack Down; 15.5 WOC:

Jack Up: WOW:

Btm@:

Misc Data

Personnel Contract: 13 OXY: 1 Service:

Other:

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. RBIH WITH 1" AND TAGGED CEMENT AT 108'. ATTEMP TO BREAK CIRCULATION W/O SUCCESS. SPOTTED 50 SX CLASS C WITH 54 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. TIR WITH BIT AND BHA AT REPORT TIME. MIKE STUBBLEFIELD WITH NMOCD 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

Total Depth (Md): 1488 Amt Drilled (Md): 769

Days on Location: 4 Total Depth (Tvd): Amt Drilled (Tvd): 0

P.B.T.D. (Tvd):

P.B.T.D. (Mtd): Perforations:

Formations:

ANHYDRITE

Pres Opra:

Mud Wt:

PH Pactor: 10

Chlorides: 1300

DRILLING

Daily Cost: \$18360 CMIC: BOWKER

CUM Cost: \$171008

AFE Cost: \$0

8.4

Mud MB;

Mud PM:

HTP 500:

Mud Data

Mud MP:

Mud PF:

Funnel Visc: 28

HTP 100:

Solids t: Sand %: Oil/Wtr:

AV DC

Daily Mud Cost: \$0

CUM Mud Cost: \$3104

Pump Data

Pump Press: 1100 #1 Line Sz: 5.5

SPR Depth: Stroke Len: 16 Stroke Len: 16 #2 Line Sz: 5.5

Mud Wt : AV DP: Vol: Max SPM:60 Max SPM:

Vol:

Kill Spd #1:510@38

Casing String Data

Last Casing \$2: 13.375 Depth: Shoe Test: BHA Wt in Mud: Drill Collar #: 7

MACP: Rot Hrs: 47.75 24

Liner Size:

Tope: String Wt: 110000 Torque: Wt BLW Jars: BHA LG: BHA LG: 956.32

320

Drill Collar OD:8 Drill Pipe O.D.:4.5 6.25

P.U. Wt: 110000 SO Wt:110000 Tool Joints: 6 5/9REG Tool Joints:X0

Bit Data

Make: HTC

Bit:2 Size: 12.25 Surf HHP: Amt Drld:769 Jets #1:12 Jets #1:12

Type: HR30C HHP: Rot Hr:20.5 #2:12 #3:12 #2:12 #3:12

In/Out:719 WOB Hi/Lo:65/45 RPM Hi/Lo: 80/75 44:

HP/I2: Bit Torque: Bit Torque:

Serial #: G81JE

IADC: 547 &HP: ROP: 37.51

Btm@:

Mud Wt:

Survey Data

MD 988

Stimulating:

Trip Tubing:

-- Coordinates -- Vertical Dog Angle Direction N or S E or W Section Leg

WOR

Bil RPM

Mud Log Data

ROF FE/HY AVG:38

Drlg Cement: 1.25

Max:

BGG Avg:

0.25

Max:

CG:

Other:

Rig Time Data 0.25

Drilling: 20.5 Tripping: 1.75

Logging: WOC:

Fishing: WOW:

Misc Data

Contract: 13 Rig Fuel: 6397 Used: 661 Last BOP Test Date:

Surveying:

Trip kods:

Other:

OXY: Recv'd: 03/17/01 Press:500# Service: Bar on Loc: Remarks:

Detail Romarks:

FINISHED NU BOP. TIH WITH BIT AND BHA. TESTED CASING AND HYDRIL TO 500#. O.K. DRILLED CEMENT AND SHOE, DRILLING AHEAD AT REPORT TIME WITH NO PROBLEMS.

# OKY HONEST JOHN STATE NO. 1 API#: 30-015-31466-00 03/19/2001

Job: DRILL AND EQUIP Rig#: 207

Contractor: UTI

Plag: Days Since Spud: 4 Total Depth (Md): 2143 Amt Drilled (Md): 655

Days on Location: 5 Total Depth (Tvd): Amt Drilled (Tvd): 0

P.B.T.D. (Tvd):

P.B.T.D. (Mtd):

Perforations:

Calcium: 720

ANHYDRITE

Formations: Pres Oprs:

DRILLING

Daily Cost: \$10051 CMIC: BOWKER

CDM Cost: \$181059 AFE Cost: \$0

Mud Data

Mud Wt:	8.4	Mud MB:
PH Factor	: 10	Mud PM:

LCM: Chlorides: 1150 HTP 500: Mud MP: Mud PF: Bx Lime:

Funnel Visc: 28 Mud PV: Elec Stbl: HTP 100:

Solids %: Sand %: Oil %: Oil/Wtr:

Av DC:

Daily Mud Cost: \$246

CUM Mud Cost: \$3350

Pump	Data
------	------

Pump Press: 1100 #1 Line Sz: 5.5 #2 Line Sz: 5.5 Kill 8pd #1:510@38 SPR Depth: Stroke Len: 16 Stroke Len: 16 Mud Wt: Max SPM:60 Max SPM: Av DP: Vol: Vol:

320

27/	 4	Ç	8

Bit:2	Size: 12.25 Surf HHP:	Type: HR30C	Make: HTC In/Out:719	Serial #: G81JE HP/I2:	IADC: 547
	Amt Drld:1424 Jets #1:12	Rot Hr: 43.25 #2:12 #3:12	#4:	RPM Hi/Lo: 80/75 Bit Torque:	ROP: 32.92
	Jets #1:12	#2:12 #3:12	#4:	Bit Torque:	

Survey Data

					-00	28/2	inai	00		Vertical	Dog		Bit
MD 1460	TVD	Angle:	Direction	N	or	S	E	OI	W	Section	reâ	WOB	RPM
1621		1.25											
1814 1971		1.75 1.75											

Mud Log Data

ROP Pt/Hr Avg:30	Masi	FA.				
NOF FC/MI AVG:30	Max:	50	BGG Avg:	Max:	ÇG:	

Rig Time Data

Stimulating:	Surveying:	1.25	Drilling:	22.75	Logging:	Fishing:
17-0-0-1-1						

Mica Data

			MIE	e pata		
Personnel Contract: Rig Fuel: 5761 Used:	13 636	OXY: Recv'd:	1	Service: Bar on Loc:	2	Other:

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 Total Depth (Md): 2781 Amt Drilled (Md): 638

Days on Location: 6 Total Depth (Tvd): Amt Drilled (Tvd): 0

P.B.T.D. (Tvd):

P.B.T.D. (Mtd): Perforations:

Pormations: Pres Oprs:

ANHYDRITE DRILLING

Daily Cost: \$13049

CUM Cost: \$194108

AFE Cost: \$0

CMIC: BOWKER

Mud Data

Mud Wt: Mud MB 8.4 PH Factor: 10 Mud PM: 400 Calcium: T.CM-HTP 500:

Mud MP: Mud PF: Ex Lime: Funnel Visc: 28 Mud PV: Elec Stbl: HTP 100:

Sand t: Oil %: Oil/Wtr:

Av DC:

Btm@;

mud we-

IADC: 547

ROP: 30.89

€HP:

Solids %:

Daily Mud Cost: \$200

Chlorides: 3000

CUM Mud Cost: \$3550

Pump Data

Pump Press: 1100 #1 Line Sz: 5.5 #2 Line Sz: 5.5

Kill Spd #1:520@38

SPR Depth: Stroke Len: 16 Mud Wt: Max SPM:60 Av DP: Vol: 320

Stroke Len: 16 Vol:

Casing String Data

Last Casing Sz: 13.375 Depth: Shoe Test: BHA Wt in Mud: MACP: Rot Hrs: 71

24 6.25 Liner Size:

Tope: String Mt: 130000 Torque:
Wt BLW Jars: BHA LG:955.32
P.U. Wt: 132000 SO Wt:128000

Tool Joints:6 5/8RBG 4 1/2XC 4 1/2XO

Serial #: G81JE

Drill Collar #: 7 Drill Collar OD:8 Drill Pipe O.D.:4.5

Bit Data

Bit:2 Size: 12.25 HR30C Make: HTC Type: Surf HHP: HHP: In/Out:719 Amt Drld:2062 Rot Hr: 66.75 Jets #1:12 Jets #1:12 #3:12 #2:12 #3:12

HP/12: WOB Hi/Lo:65/45 RPM Hi/Lo: 80/75 #4: #4: Bit Torque: Bit Torque:

Survey Data

-- Coordinates -- Vertical Bit MD TVD Angle Direction N or S B or W Section WOR RPM 2195 1.25

2386 0.75 2602 0.75

Mud Log Data

ROP Pt/Hr Avg:27 45 BGG AVG:

Max:

CG:

Rig Time Data

Stimulating: Surveying: 0.75 Drilling: 23.25 Logging: Fishing:

Misc Data

Contract: 13 Personnel Rig Fuel: 5123 Used: 638

OXY: Recv'd: 0 Service: Bar on Loc:

Other:

Detail Remarks:

DRILLING AHEAD WITH NO PROBLEMS. RAN FLUID CALIFER FOR CEMENT CALCULATIONS.

#### OXY HONEST JOHN STATE NO. 1 API#: 30-015-31466-00 03/21/2001

Job: DRILL AND ROUIP Rig#: 207

Contractor: UTI

Flag:

Days Since Spud: 6 Total Depth (Md): 2807 Amt Drilled (Md): 26 P.B.T.D. (Mtd):

Days on Location: 7 Total Depth (Tvd): Amt Drilled (Tvd): 0

P.B.T.D. (Tvd):

Perforations:

Formations: Pres Oprs:

DOLOMITE RU TO TEST BOP

Daily Cost: \$86124 CMIC: BOWKER

CUM Cost: \$280232

AFE Cost: \$0

Mud Data Funnel Visc: 28 Solids %: Mid WE: 8.4 Mud MB: Mud MP: Daily Mud Cost: \$0 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:

Casing String Data

Liner Size: Depth: 2807 Last Casing Sz: 9.625 Btm@ · Top@: BHA Wt in Mud: Rot Hrs: 72.25 Wt BLW Jars: BHA LG: Drill Pipe O.D.:4.5 Tool Joints:XO

Bit Data

Size: 12.25 Type: HR30C Make: HTC Serial #: G81JE IADC: 547 In/Out:719/2807 HHP: HP/12: \$HP: Amt Drld:2088 Rot Hr:68 WOR H1/Lo:65/45 RPM H1/Lo: 80/75 ROP: 30.71 Jets #1:12 #3:12 #2:12 #4: Bit Torque:

API Grading T:2 TFA: B:2 G:I Remarks:

Survey Data

--Coordinates-- Vertical Dog Bit MD TVD Angle Direction N or S E or W Section Leg WOR RPM 2766

Mud Log Data

ROP Ft/Hr Avg:25 Maxi 35 BGG Avg: Max: CG: Rig Time Data

Inspect DP: Wash Ream: Swabbing: Abandon: C & CM: 2.25 Nu-Nd BOP: 10.5 Pu-Ld BHA: Pu-Ld DP: Jack Down: Jack Up: Circ Sample: Completing: Cementing: 2 Coring: Cut DL: Run Tubing: Run Casing: 4.5 Drilling: 1.25 Set Packers: Set Plugs: Drv Pipe: Stimulating: Surveying: Logging: Fishing: Trip Tubing: Trip Rods: Tripping: 3,25 WOC: WOW:

Misc Data

Personnel Contract: 13 OXY: Service: Other: Rig Fuel: 4769 Used: 354 Recv'd: 0 Bar on Loc:

Detail Remarks:

Detail Remarks:
DRILLED TO CASING POINT OF 2807'. PUMPED SWEEP AND DROPPED TOTCO. TOOH
WITH BIT AND BHS. SLM-2807'. RU CASING CREW. RAN 61 JOINTS 9 5/6" CASING
AND SET AT 2807'. CIRCULATED FOR 30 MINS WITH RIG PUMP. RU B.J. MIXED
AND PUMPED 780 SX 35:65:6 CONTAINING 1\* 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 BOF AND CHOKE MANIFOLD.
RU TO TEST BOP AT REPORT TIME. MIXE STUBBLEFIELD WITH NMOCD NOTIFIED BUT
DID NOT WITNESS. 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

Total Depth (Md): 2995 Amt Drilled (Md): 188 P.B.T.D. (Mtd):

Days on Location: 84 Total Depth (Tvd): Amt Drilled (Tvd): 0 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: PH Factor: 10 Mud PM: Calcium: 400 LCM: Chlorides: 3000 HTP 500: Mud MD: Mud PF: Ex Lime:

Funnel Visc: 28 Mud PV: Elec Stb1: HTP 100:

Solids t: Sand t: Oil %: Oil/Wtr:

Av DC:

SO Wt:118

Daily Mud Cost: \$673

CUM Mud Cost: \$4223

Pump Data

Pump Press: 1150 #1 Line Sz: 5.5 SPR Depth: Stroke Len: 16 Stroke Len: 16 Mud Wt: Max SPM:60 Max SPM:

AV DP: Vol: 320 Val:

#2 Line Sz: 5.5 Kill Spd #1:450@37

Casing String Date

Last Casing Sz: 9.625 Depth: 2807 Shoe Test: MACP: BHA Wt in Mud: ROE HES: 77

Liner Size: String Wt: 120 Wt BLW Jars:

Tope: Torque: BHA LG: 898.92

Btme: Mud Wt:

Drill Collar #: 6 Drill Collar OD:29 P.D. Wt: 122 Tool Joints:4.5 XH

Drill Pipe O.D.:4.5

Tool Joints:XO

Bit Data

\$ize: 8.75 Bit:3 Type: HRS38C Surf HHP: HHP: Amt Drld:188 Rot Hr:4.75 Jets #1:13 Jets #1:13 #2:13 #3:13 #2:13 #3:13

In/Out:2807 WOB Hi/Lo:60 #4:

Make: HTC

HP/I2: RPM Hi/Lo: 60 Bit Torque: Bit Torque:

Serial #: G53JR

IADC: MP: ROP: 39.58

Rig Time Data

Nu-Nd BOP: Leak Off Test: Circ Sample: Stimulating: Trip Tubing: Drlg Cement: 2.5

Pu-Ld BHA: Slp Cut Cag: Completing: Surveying: Trip Rods:

Other:

Pu-Ld DP: Test Plugs: Cementing: Drilling: 4.75 Tripping: 2.5

Jack Down: Test BOP: 12 Coring: Logging: WOC:

Jack Up: Testing: 0.25 Cut DL: 1 Fishing:

WOW:

Misc Data

Personnel Contract: 15

OXY:

Service:

Other:

Detail Remarks;

COMPLETED NIPPLING UP BOP AND MANIFOLD. MIRU SAFETY TEST AND TESTED BOP TO 5000#. THE WITH BIT #3 AND DRILLED CEMENT TO 2807. DRILLED 10' OF NEW FORMATION AND TESTED TO 11.5# EMW. 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 Total Depth (Md): 3850 Amt Drilled (Md): 855

Days on Location: 85 Total Depth (Tvd): Amt Drilled (Tvd): 0 P.B.T.D. (Tvd):

P.B.T.D. (Mtd): Perforations:

Formations: Pres Opra:

DELAWARE DRILLING

Mud MB:

LĊM:

Daily Cost: \$39761

CUM Cost: \$345265

AFE Cost: \$0

CMIC: MIKE LOVE

Mud Wt:

calcium:

9.1

260

Mud Data

Mud MP: Ex Lime:

Funnel Visc: 28 Elec Stbl:

Solids %: Oil %:

Av DC:

Daily Mud Cost: \$0

CUM Mud Cost: \$4223

Pump Data

Pump Press: 1150 #1 Line Sz: 5.5 #2 Line Sz: 5.5

SPR Depth: Stroke Len: 16 Stroke Lon: 16 Mud Wt: Max SPM:60 Max BPM:

Liner Size:

Av DP: Vol: 320

Vol:

Kill Spd #1:520@37

Casing String Data

Last Casing Sz: 9.625 Depth: Shoe Test: BHA Wt in Mud:

Rot Hrs: 100

2807

String Wt: 132 Wt BLW Jars:

Torque: BHA LG:898.92 P.U. Wt: 135 Tool Joints:4.5 XR 80 Wt:129

Tope:

Drill Collar #: 6 Drill Collar OD:29 Drill Pipe O.D.:4.5

Tool Joints:X0

Bit Data

Bit:3 Size: 8.75 Surf MHP: Amt Drld:1043 Jets #1:13 Jets #1:13

HHP: Rot Hr:27.5 #2:13 #3:13 #2:13 #3:13

Type: HR\$38C

Make: HTC Serial #: G53JR In/Out:2807 HP/12: WOB Hi/Lo:60 RPM Hi/Lo: 60 Bit Torque: Bit Torque:

kHP: ROP: 219.58

Fishing:

IADC:

Btme:

Mud Wt:

#4: Survey Data

MD TVD Angle Direction N or S E or W Section Leg 3307 3785 1

-- Coordinates -- Vertical Dog

WOB

Bit

Mud Log Data

ROP Ft/Hr Avg:37.17 Max: Lithology: 10% SHALE, 90% SAND BGG Avg: 20

Max:

100 ÇG;

Rig Time Data

Stimulating:

Surveying: 1

Drilling: 23 Logging:

Misc Data

Personnel Contract: 15 Rig Fuel: 3790 Used: 697 OXY: Recv'd:

Service: Bar on Loc: Other:

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 BOUIP Rig#: 207

Contractor: UTI

Flag: GREEN Days Since Spud: 86 Total Depth (Md): 4430 Amt Drilled (Md): 580

Days on Location: 86 Total Depth (Tvd): Amt Drilled (Tvd): 0 P.B.T.D. (Tvd):

P.B.T.D. (Mtd): Perforations:

Formations: Pres Opra:

DELAWARE DRILLING

HTP 500:

Daily Cost: \$10961

CUM Cost: \$356226

AFE Cost: \$0

CMIC: MIKE LOVE

Mud Data

Mud Wt: 9.1 Mud MB: PH Pactor: 11.5 Mud PM: Calcium: 600 LCM: Chlorides: 85000

Mud MP: Mud PF: Ex Lime:

Funnel Visc: 28 Mud PV: Blec Stbl: HTP 100:

Sand %: Oil %: Oil/Wtr:

Solids %:

Daily Mud Cost: \$394

CUM Mud Cost: \$4617

Pump Data Mud Wt:

Pump Press: 1300 SPR Depth: #1 Line Sz: 5.5 Stroke Len: 16

Stroke Len: 16

Av DP: Max SPM: 60 Vol: 320

Vol:

#2 Line Sz: 5.5 Kill Spd #1:520037

Casing String Data

Last Casing Sz: 9.625 Depth: MACP:

HHP:

#2:13

#2:13

2807 Liner Size: String Wt: 145

Max SPM:

Tope: Torque: Btmo:

Shoe Test: BHA We in Mud: Drill Collar #: 6 Drill Collar OD:29

Rot Wrs: 123.75

Wt BLW Jars:

BHA LG: 902.32 P.U. Wt: 148 SO WE:142

Drill Pipe O.D.:4.5

Tool Joints:4.5 XH Tool Joints: XO

Bit Data

Bit:3 8iza: 8.75 Surf HHP: Amt Drld:1623 Jets #1:13 Jets #1:13

Type: HRS38C Make: HTC In/Out:2807 Rot Hr:51.25 WOB Hi/Lo:60 #3:13 #3:13 #4:

Serial #: G53JR HP/I2: RPM Hi/Lo: 60 Bit Torque: Bit Torque:

IADC: %HP; ROP: 59.02

Survey Data

MD TVD 4280

--Coordinates -- Vertical Dog Angle Direction N or S E or W Section

Bit

Mud Log Data

ROP Pt/Hr Avg:24.94 Max:

BGG Avg: 15

30 Max:

CG: 100

Rig Time Data

Stimulating:

Surveying: 0.25 Drilling: 23.75 Logging:

Fishing:

Misc Data

Personnel

Contract: 15 Rig Fuel: 3111 Used: 679

OXY: Recv'd:

Service: Bar on Loc:

Petail Remarks:

#### 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: 67 Total Depth (Md): 5030 Amt Drilled (Md): 600 Days on Location: 87 Total Depth (Tvd): Amt Drilled (Tvd): 0

P.B.T.D. (Tvd):

P.B.T.D. (Mtd):

Perforations:

DELAWARE Formations: Pres Oprs: DRILLING

Daily Cost: \$10788 CMIC: MIKE LOVE

CUM Cost: \$367014

AFE Cost: \$0

Mud Data

Mud Wt: 8.6 Calcium: 400 Chlorides: 90000 HTP 500;

Mud MP: Mud MB: LCM Fx Lime:

Funnel Visc: 28 Blec Stbl: HTP 100:

Solids %: 0il %: Oil/Wtr:

AV DC:

Daily Mud Cost: \$78

CUM Mud Cost: \$4695

Pump Data

Pump Press: 1250 #1 Line Sz: 5.5

SPR Depth: Stroke Len: 16 Stroke Len: 16

Max SPM:60 Max SPM:

Av DP: Vol: 320 Vol:

#2 Line Sz: 5.5 Kill Spd #1:540@37

Casing String Data

Last Casing Sz: 9,625 Shoe Test: BHA Wt in Mud:

Drill Collar #: 6 Drill Collar OD:29

Drill Pipe O.D.:4.5

Depth: MACP:

Type:

2807 Liner Size: Rot Hrs: 147.25

HR838C

String Wt: 148 Wt BLW Jars: P.U. Wt:

Tope: Torque: BHA LG:902.32 Mud Wt: SO Wt:142

153 Tool Joints: 4.5 XH Tool Joints:XO

Bit Data

Bir : 3 Size: 8.75 Surf HHP: Amt Drld:2223 Jets #1:13 Jets #1:13

HHP: Rot Hr: 74.75 #3:13 #3:13 #2:13 #2:13

In/Out:2807 WOB Hi/Lo:60 #4: #4 2

Serial #: G53JR HP/12: RPM Hi/Lo: 60 Bit Torque: Bit Torque:

&HP: ROP: 43.38

Btm@:

Survey Data

MD TVD 4774

Angle Direction N or S E or W Section 0.75

-- Coordinates -- Vertical

Dog Lėg WOB Bit RPM

Mud Log Data

ROP Ft/Hr Avg:25.53 Max: Lithology: 100% SAND

BGG Avg: 200

. 400 Max:

ČĠ: 400

Rig Time Data

Stimulating:

Surveying: 0.5 Prilling: 23.5 Logging:

Fishing:

Misc Data

Personnel Contract: 15 Rig Fuel: 2269 Used: 842

OXY. Recv'd:

Service: 3 Bar on Loc:

Other:

Detail Romarks:

#### OXY HONEST JOHN STATE NO. 1 API#: 30-015-31466-00 03/26/2001

Job: DRILL AND EQUIP

Rig#: 207

Contractor: UTI

Flag: GRZEN

Days Since Spud: 88 Total Depth (Md): 5640 Amt Drilled (Md): 610

Days on Location: 88 Total Depth (Tvd):

Amt Drilled (Tvd): 0 P.B.T.D. (Tvd):

P.B.T.D. (Mtd): Perforations:

Formations:

BONE SPRINGS

Pres Opra:

DRILLING

Daily Cost: \$10961 CMIC: MIKE LOVE

CUM Cost: \$377975

AFE Cost: \$0

Chlorides: 8500

Mud Data

HTP 500:

Mud Wt: 8.4 Mud MB: PH Factor: 10 Mud PM: 320 Calcium:

Mud MP: Mud PF: Ex Lime: Funnel Visc: 28 Mud PV: Elec Stbl:

HTP 100:

Solids %: Sand %: Oil %: Oil/Wtr:

Av DC:

80 Wt:162

Daily Mud Cost: \$309

CUM Mud Cost: \$5004

Pump Data

Pump Press: 1200 SPR Dopth: #1 Line Sz: 5.5 #2 Line Sz: 5.5 Stroke Len: 16 Stroke Len: 16 Mud Wt: Max SPM:60 Max SPM:

Av DP: 320 Vol:

Vol:

Kill Spd #1:510@37

Casing String Data

Last Casing Sz: 9.625 Shoe Test:

Depth: 2807 MACP: Rot Hrs: 170.25

Liner Size: String Wt: 165 Wt BLW Jars:

Tope: Torque: BHA LG:902.32

Serial #: G53JR

Btm@: Mud Wt:

BHA Wt in Mud: Drill Collar #: 6 Drill Collar OD:29

P.U. Wt: 168 Tool Joints: 4.5 XM

Drill Pipe O.D.:4.5

Tool Joints:XO

Bit Data

\$12e: 8.75 Surf HHP Amt Drld:2833 Jets #1:13 Jets #1:13

Make: HTC Type: HRS38C HHP: In/Out:2807 Rot Hr:97.25 WOB Hi/Lo:60 #2:13 #3:13 #3:13 #4: #2:13 #4:

HP/12: RPM Hi/Lo: 60 Bit Torque: Bit Torque:

₩P: ROP: 29.13

IADC:

Survey Data

MD TVD 5251

Bit:3

--Coordinates -- Vertical Angle Direction N or S E or W Section

Dog Leg Bit RPM

Mud Log Data

ROP Pt/Hr Avg:26.52 Lithology: 100% LIME Max:

BGG Avg: 350

Max:

400 CG:

Rig Time Data

Rig Service: 0.5 Stimulating:

Rig Repair: Surveying: 0.5

Observe: Drilling: 23 Rig Down: Logging:

Rig Up: Pishing:

Misc Data

Contract: 15 Rig Fuel: 1494 Used: 7751

OXY: Recv'd:

Service: Bar on Loc: Other

Detail Remarks:

#### 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

Total Depth (Md): 6150 Amt Drilled (Md): 510

Days on Location: 89 Total Depth (Tvd): Amt Drilled (Tvd): 0

P.B.T.D. (Tvd):

P.B.T.D. (Mtd):

Perforations:

Hormations. Pres Opra:

BONE SPRINGS

DRILLING

CUM Cost: \$388791 AFE Cost: \$0

Daily Cost: \$10816 CMIC: MIKE LOVE

Mud Data

Mud Wt: Mud MB: 8.4 PH Factor: 10 Mud PM: Calcium: 400 LCM: Chlorides: 10000 HTP 500: Mud MP: Mud PF. Ex Lime:

Punnel Visc: 28 Mud PV Elec Stbl:

Solids %: Sand &: Oil %: Oil/Wtr:

AV DC:

SO Wt:171

Daily Mud Cost: \$193

CUM Mud Cost: \$5197

Pump Data

Pump Press: 1200 #1 Line Sz: 5.5 SPR Depth: Stroke Len: 16 Stroke Len: 15 Mud Wt: Max SPM:60 Mex SPM:

AV DP: Vol:

Vol:

#2 Line \$2: 5.5 Kill Spd #1:520@37

Casing String Data

Last Casing Sz: 9.625 Depth: 2807 Shoe Test:
BHA Wt in Mud:
Drill Collar #: 6
Drill Collar OD:29

MACP:

Liner Size: String Wt: 174 Wt BLW Jars:

Torque: BHA LG:902.32

Serial #: G53JR

Btm@: Mud Wt:

Rot Hrs: 193.75

P.U. Wt: 177 Tool Joints: 4.5 XH

Drill Pipe O.D.:4.5

Bit Data

8ize: 8.75 Surf HRP: Amt Drld:3343 Jets #1:13

Jets #1:13

Type: HRS38C Make: HTC In/Out:2807 Rot Hr;121,25 WOB H1/Lo:60 #3:13 #3:13 #2:13 #4: #4: #2:13

HP/I2: RPM Hi/Lo: 60 Bit Torque: Bit Torque:

\*HP: ROP: 34.30

IADC:

Survey Data

MD 5722

--Coordinates -- Vertical Dog Angle Direction N or S B or W Section Leg 0.75

WOR

Bit RPM

Mud Log Data

ROP Ft/Hr Avg:21.7 Max: Lithology: 10% SHALE, 90% LIME BGG Avg: 400

Max:

800 CG: 1100

Rig Time Data

Stimulating:

Surveying: 0.5 Drilling: 23.5 Logging:

Fishing:

Misc Data

Personnel Contract: 15 Rig Fuel: 8098 Used: 743 OXY: ī Recv'd: 7200

Serviçe: Bar on Loc:

#### 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

Total Depth (Md): 6655 Amt Drilled (Md): 505

Days on Location: 90 Total Depth (Tvd): Amt Drilled (Tvd): 0

P.B.T.D. (Tvd):

P.B.T.D. (Mtd): Perforations:

Formations: Pres Oprs:

BONE SPRINGS

DRILLING

Daily Cost: \$10708 CMIC: MIKE LOVE

CUM COSt: \$399499

AFE Cost: \$0

Mud Data

Mud MB: Mud Wt: 6.4 Mud PM: PH Factor: 10 Calcium: 400 LCM: Chlorides: 11000 HTP 500:

Mud MP: Mud PF: Bx Lime: Punnel Visc: 28 Mud PV: Elec Stbl: HTP 100: Solida 4: Sand 4: Oil %: Oil/Wtr:

Daily Mud Cost: \$124

COM Mud Cost: \$5321

Pump Data

Pump Press: 1250 SPR Depth: #1 Line \$z: 5.5 Stroke Len: 16

and the second section of the second section is a second section of the second section

Mud Wt: Max SPM:60 Av DP: Vol:

#2 Line 52: 5.5 Kill Spd #1:530@37

Stroke Len: 16

Max SPM:

Vol:

Casing String Data

Last Casing Sz: 9.625 Shoe Test:

Depth: 2807 MACP: Rot Hrs: 217.25

Liner Size: String Wt: 180 Wt BLW Jare:

Topt: Torque: BHA LG: 902.32

Btmæ: Mud Wt:

AV DC:

SO Wt:176

P.U. Wt: 184

BHA Wt in Mud: Drill Collar #: 6 Drill Collar OD:29 Drill Pipe O.D.:4.5

Tool Joints:4.5 XX

Bit Data

Bitis Size: 8.75 Surf HHP: Amt Drld:3848 Jets #1:13 Jets #1:13

Type: HRS38C Make: HTC Rot Hr:144.75 #2:13 #3:13 #2:13 #3:13

In/Out:2807 WOB Hi/Lo:60 #4: #4:

HP/I2: RPM Hi/Lo: 60 Bit Torque: Bit Torque:

Sorial #: G53JR

tHP: ROP: 31.74

IADC:

Survey Data

6220

--Coordinates-- Vertical Angle Direction N or S E or W Section

Leg

Bit RPM

Mud Log Data

ROP Ft/Hr Avg:21.48 Max: BGG Lithology: 10% SHALE, 60% SAND, 30% LIME

BGG Avg: 500

Max:

700 CG:

Rig Time Data

Stimulating:

Surveying: 0.5 Drilling: 23.5 Logging:

Piching:

Misc Data

Personnel Rig Fuel: 7400 Used: 514

Contract: 15

OXY: Recv'd: Service: Bar on Loc:

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 Total Depth (Md): 7161 Amt Drilled (Md): 506

Days on Location: 91 Total Depth (Tvd): Amt Drilled (Tvd): 0

P.B.T.D. (Tvd):

P.B.T.D. (Mtd): Perforations:

Formations:

BONE SPRINGS

Pres Opre: DRILLING

Daily Cost: \$10808 CMIC: MIKE LOVE

CUM Cost: \$410307

AFE Cost: \$0

Mud Wt: 8.4 Mud MB: Calcium: 400 LCM: Chlorides: 6000 HTP 500:

Mud MP: Ex Lime: Punnel Visc: 28 Blec Stbl: HTP 100:

Solids %: Oil %: Oil/Wtr:

Av DC:

Daily Mud Cost: \$141

CUM Mud Cost: \$5462

Mud Data

Pump Data

Pump Press: 1250 SPR Depth: #1 Line Sz: 5.5 Stroke Len: 16 #2 Line Sz: 5.5 Stroke Len: 16

Max \$PM:60 Max SPM:

AV DP: Vol:

Kill spd #1:540@37

Casing String Data

Last Casing \$2: 9.625 Depth: 2807 Shoe Test: MACP. BHA Wt in Mud: Drill Collar #: 6 Drill Collar OD:29

Rot Hrs: 240.75

String Wt: 192 Wt BLW Jars: P.U. Wt: 196
Tool Joints:4.5 XH

Torque: Mud Wt: BHA LG:902.32 SO Wt:188

Drill Pipe O.D.:4.5

Tool Joints:XO

Liner Size:

Bit Data

B1t:3 S126: 8.75 Type: HRS38C Make: HTC Surf HHP: In/Out:2807 HHP: Amt Drld:4354 Rot Hr:168.25 WOB Hi/Lo:60 Jets #1:13 Jets #1:13 #2:13 #3:13 #4: #2:13 #3:13 #4:

HP/I2: RPM Hi/Lo: 60 Bit Torque: Bit Torque:

Serial #: G53JR

Tope:

¥HP; ROP: 30.08

IADC:

Btmø:

Survey Data

MD TVD Angle Direction N or S E or W Section 6704

--Coordinates-- Vertical Dog

Leg WOB

Mud Log Data

ROP Ft/Hr Avg:21.53 Max: Lithology: 30% SHALE, 70% LIME

BGG Avg: 500 Max: 700 CG: 1151

Rig Time Data

Stimulating: Surveying: 0.5

Drilling: 23.5 Logging:

Fishing

Micc Data

OXY:

Recv'd:

Personnel Contract: 15 Rig Fuel: 6607 Used: 793 Service: Bar on Loc: Other:

Bit

RPM

Detail Remarks:

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
Total Depth (Md): 7660
Amt Drilled (Md): 499
F.B.T.D. (Mtd):

Days on Location: 92 Total Depth (Tvd): Amt Drilled (Tvd): 0 P.B.T.D. (Tvd):

Perforations:

Formations: Pres Oprs:

BONE SPRINGS

DRILLING

Mud Wt

CUM Cost: \$432951

AFE Cost: 50

PH Factor: 10

Daily Cost: \$22644 CMIC: MIKE LOVE

8.4

Mud Data

Mud MP:

Mud PF:

Ex Lime:

Mud MB: Mud PM: Calcium: 480 LCM: Chlorides: 10000 HTP 500: Funnel Visc: 28 Mud PV: Blec Stbl: HTP 100:

Solids %: Sand &: Oil %: Oil/Wtr:

Av DC:

Btm@:

Mud WE:

Daily Mud Cost: \$56

CUM Mud Cost: \$5518

Pump Data

Pump Press: 1300 #1 Line Sz: 5.5 SPR Depth: Stroke Len: 16

Mud Wt: Max SPM:60 Max SPM:

AV DP: Vol: 320 Vol:

#2 Line Sz: 5.5

Kill Spd #1:550@37

Casing String Data

Last Casing Sz: 9.625 Shoe Test:

Depth: MACP: Rot Hrs: 263.5

Stroke Len: 16

2807

Liner Size: String Wt: 200 Wt BLW Jars: Top@: Torque: BHA LG: 902.32

P.U. Wt: 204 Tool Joints:4.5 XH SO Wt:196

BHA Wt in Mud; Drill Collar #: 6 Drill Collar OD:29 Drill Pipe O.D.:4.5

Tool Joints:XO

Type:

Bit Data

Bit:3 Size: 8.75 Surf HHP: Amt Drld:4853 Jets #1:13 Jets #1:13

HHP: Rot Hr:191 #3:13 #2:13 #2:13 #3:13

HRS38C

In/Out:2807 WOB Hi/Lo:60 #4: #4:

Make: HTC

HP/I2; RPM Hi/Lo: 60 Bit Torque: Bit Torque:

Serial #: G53JR

THP: ROP: 25.41

IADC:

Survey Data

ΜD TVD 7246

Angle Direction N or S B or W Section Leg 1.5

--Coordinates -- Vertical Dog

Bit

Mud Log Data

ROP Ft/Hr Avg:21.93 Max: Lithology: 30% SHALE, 70% LIME

BGG Avg: 500

Max:

700 CG: 989

Rig Time Data

Stimulating: Surveying: 1.25 Drilling: 22.75 Logging:

Fishing:

Misc Data

Personnel Contract: 15 Rig Fuel: 5903 Used: 704

Recv'd:

Service: Bar on Loc: Other:

Detail Remarks:

OXY HONEST JOHN STATE NO. 1 API#: 30-015-31466-00 03/31/2001

Job: DRILL AND EQUIP

Rig#: 207

Contractor: UTI

Flag: GREEN

pays since spud: 93 Total Depth (Md): 8193 Amt Drilled (Md): 533 Days on Location: 93 Total Depth (Tvd):
Amt Drilled (Tvd): 0

P.B.T.D. (Mtd): Perforations:

P.B.T.D. (Tvd):

Pormations:

BONE SPRINGS

Pres Oprs:

DRILLING

Daily Cost: \$10586 CMIC: MIKE LOVE

CUM Cost: \$443537

AFE Cost: 50

Mud Data

Mud WE: 8.8 Mud MB: PH Factor: 10 Mud PM: Calcium: 320 LCM: Chlorides: 10000 HTP 500: Mud MP: Mud PF: Ex Lime:

2807

Funnel Visc: 28 Mud PV: Elec Stb1: HTP 100:

Sand %: Oil %: Qil/Wtr:

Av DC

Solids %:

Daily Mud Cost: \$0

CUM Mud Cost: \$5518

Pump Data

Pump Press: 1350 SPR Depth: Stroke Len: 16 Stroke Len: 16 #1 Line Sz: 5.5 #2 Line Sz: 5.5

Mud Wt: Max SPM:60 Max SPM:

Av DP: Vol: 320

Vol:

Kill Spd #1:570@37

Drill Pipe O.D.:4.5

Casing String Data

Last Casing Sz: 9.625 Depth: Shoe Test: MACP: BHA Wt in Mud: Rot Hrs: 286 Drill Coller #: 6 Drill Collar OD:29

Liner Size: String Wt: 206 Wt BLW Jars: P.U. WE:

Tope: Btm@: Torque: BHA LG: 902.32 213

Tool Joints: 4.5 XH Tool Joints:XO

Bit Data

Bit:3 Size: 8.75 Surf HHP: Amt Drld:5386 Jets #1:13 Jets #1:13

Type: HRS38C Make: HTC In/Out:2807 WOB Hi/Lo:60 #3:13 #3:13 #4:

HP/12: RPM Hi/Lo: 60 Bit Torque: Bit Torque:

Serial #: G53JR

%HP: ROP: 25.23

IADC:

Survey Data

TVD MD 7727

-- Coordinates -- Vertical Dog Angle Direction N or S E or W Section Leg

Bit

Mud Log Data

ROP Ft/Hr Avg:23.69 Max: Lithology: 10% SHALE, 90% LIME

BGG Avg: 50

75 Max: 75 CG:

Rig Time Data

Rig Repair: Observe: Surveying: 0.75 Drilling: 22.5 Rig Service: 0.75 Stimulating:

Rig Down: Logging:

Rig Up: Fishing:

Misc Data

Porsonnel Contract: 15 Rig Fuel: 5265 Used: 700

OXY: 1 Recv'd:

Service: Bar on Loc:

Detail Remarks:

DRILLING AHEAD AT REPORT TIME WITH NO PROBLEMS.

HHP:

#2:13

#2:13

Rot Hr:213.5

#### OXY HONEST JOHN STATE NO. 1 API#: 30-015-31466-00 04/01/2001

Job: DRILL AND EQUIP Rig#: 207

Contractor: UT1

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Flag: GREEN

Days Since Spud: 94

Total Depth (Md): 8529 Amt Drilled (Md): 336

Days on Location: 94 Total Depth (Tvd): Amt Drilled (Tvd): 0

P.B.T.D. (Tvd):

P.B.T.D. (Mtd): Perforations:

BONE SPRINGS

Formations: Pres Oprs:

TRIPPING FOR BIT

Daily Cost: \$10744 CMIC: MIKE LOVE

CUM Cost: \$454281

AFE Cost: \$0

Mud Data

Mud Wt: 9.1 Mud MB: Calcium: 800 LCM: Chlorides: 82000 HTP 500: MUC MP: Ex Lime: Funnel Visc: 28 Elec Stbl: HTP 100:

Solids %: Oil %: Oil/Wtr:

AV DC:

SO Wt:210

Bit

Daily Mud Cost: \$158

#2 Line Sz: 5.5

Drill Collar #: 6

CUM Mud Cost: \$5676

Pump Data

Pump Press: 1350 SPR Depth: #1 Line Sz: 5.5 Stroke Len: 16 Mud Wt: Max SPM: 60 Max SPM:

Av DP. 320 Vol:

Vol:

Casing String Data

Last Casing Sz: 9.625 Shoe Test: BHA Wt in Mud:

Depth: 2807 MACP:

Stroke Len: 16

Liner Size: String Wt: 220 Rot Hrs: 306.25 Wt BLW Jars:

Tope: Torque: BHA LG:902.32

Btm@; Mud Wt:

P.U. WE: 230 Tool Joints:4.5 XH

Drill Collar OD:29 Drill Pipe O.D.:4.5

Tool Joints:XO

Bit Data

Size: 8.75 Bites Surf HHP: Amt Drld:5722 Jets #1:13 Jets #1:13

Type: MR\$38C Make: HTC HHP: In/Out:2807 Rot Hr:233.75 WOB Hi/Lo:60 #2:13 #2:13 #3:13 #3:13 #4: #4:

HP/12: RFM Hi/Lo: 60 Bit Torque: Bit Torque:

Serial #: G53JR

%HP: ROP: 24.48

IADC:

Survey Data

--Coordinates-- Vertical MD TVD Angle Direction N or S E or W Section Leg 8204

2.25 1.5 1.25

Mud Log Data

ROP Ft/Hr Avg:16.59 Max: Lithology: 90% SAND, 10% LIMB

BGG Avg: 20

Max: 30 CG: 60

Dog

Rig Time Data

Stimulating: Trip Tubing:

8299

8395

Surveying: Trip Rods:

Drilling: 20.25 Logging: Tripping: 0.75

WOC:

Fishing: : WOW

Misc Data

Personnel Contract: 15 Rig Fuel: 8227 Used: 700

OXY: Recv'd: 3600 Service: Bar on Loc:

Detail Remarks:

DRILLING TO 8529. TOH FOR BIT AT REPORT TIME WITH NO PROBLEMS.

ONY HONEST JOHN STATE NO. 1 API#: 30-015-31466-00 04/02/2001

P.B.T.D. (Tvd):

Job: DRILL AND EQUIP

Rig#: 207

Contractor: UTI Plag: GREEN

্ক

Days Since Spud: 95

Total Depth (Md): 8713 Amt Drilled (Md): 184

Days on Location: 95 Total Depth (Tvd): Amt Drilled (Tvd): 0

P.B.T.D. (Mtd): Perforations:

BONE SPRINGS Formations

Pres Oprs:

DRILLING

CUM Cost: \$472313

AFE Cost: SO

Daily Cost: \$16032 CMIC: MIKE LOVE

Mud Data

Mud Wt: 9.1 PH Factor: 10 800 Calcium: Chlorides: 82000

Mud MB: Mud PM: LCM: HTP 500: Mud MP: Mud PF: Ex Lime: Funnel Visc: 28 Mud PV: Blec Stbl: HTF 100:

sand %: 011 %: Oil/Wtr:

Solids %:

Daily Mud Cost: \$158

CUM Mud Cost: \$5834

Pump Data

Fump Press: 1350 SPR Depth: #1 Line \$z: 5.5 #2 Line Sz: 5.5 Stroke Len: 16

Mud Wt: Max SPM:60 Max SPM:

AV DP: Vol: 320 Vol:

Av DC:

Stroke Len: 16

Casing String Data

Top@: Torque:

Btmo: Mud Wt:

Shoe Test: BHA Wt in Mud: Drill Collar #: 6 Drill Collar OD:29

Drill Pipe O.D.:4.5

Last Casing Sz: 9.625

Depth: MACP: Rot Hrs: 9

String Wt: 220 Wt BLW Jars: P.U. Wt:

Liner Şize:

BHA LG:887.2 230 50 Wt:210 Tool Joints:4.5 XH

Tool Joints: XO

Rit Data

Bit:3 Size: 8.75 Surf HHP: Amt Drld:5722 Jets #1:13 Jets #1:13 Size: 8.75

Jets

Surf HHP:

Amt Drld:184

Jets #1:13

#1:13

Rot Hr: 233.75 #3:13 #3:13 #2:13 #2:13 Type: HR44C

Type: HRS38C

HHP:

Rot Hr:9

#2:13

WOB Hi/Lo:60 #4: #4: Make: HTC In/Out:8529 WOB Hi/Lo:60

Make: HTC In/Out:2807/8529

> Bit Torque: Bit Torque: Serial #: M78DW HP/12: RPM H3/Lo: 60 Bit Torque:

Serial #: G53JR

HP/12:

RPM Hi/Lo: 60

IADC: tHP: ROP: 20.44

TADC:

MP:

ROP:

#4 : Survey Data

IVD MD 8529

--Coordinates-- Vertical Angle Direction N or S B or W Section 1.5

#3:13

#3:13

Dog

Bit Torque:

Bit RPM

Mud Log Data

ROP Ft/Hr Avg:20.44 Shale Density: Lithology: 100% SAND Max: TG: 144

BGG Avg: 150 H2S:

Max: FL Temp: CG:

Rig Time Data

Inspect DP: Wash Ream. Stimulating: Trip Tubing:

2.5 Surveying: Trip Rods:

Swabbing: Drilling: Tripping: 12.5

Abandon: Logging: WOC:

C & CM: Fishing: WOW:

Misc Data

Personnel Contract: 15 Rig Fuel: 7835 Used: 392

QXY: Recv'd: Service: Bar on Loc: Other:

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.

#### WALLS IN CITY OF CARLSBAD WELLHE.

30-015-25379 K-1-23s-25e LOUIS DREYFU ACTIVE

30-015-23106 A-10-23s-25e ENRON OIL & G P&A % S & N いるると

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

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

Concalled

Not on FLODATA

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## 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 #1 100 Times 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 not on Timis <sup>30-015-27559</sup> 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 30-015-24572 P-5-23s-26e HILLIN PROD. CO. CITIES 5 FED. #1

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230-015-23538 1-5-23s-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 COOUINA 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 PAULY RAMUZ #1
✓ 30-015-24592 1-19-23s-26e NADEL & GUSSMAN PERMIAN, L NEW MEXICO DI STATE #2
\sqrt{30\text{-}015\text{-}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
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√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
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## 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

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30-015-23538 I-5-23s-26e CITIES SERVICE OIL CO. FED. N COM. #1
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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

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

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TABLE 4A.--WATEK-DUBLITY DATA FOR ENDY AND LFA COUNTIES, NEW MEXICO, ARRANGED BY BOTH FORMATION SOURCE AND GEOGRAPHIC LOCATION.

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TABLE 4A. --WATER-DUALITY DATA FOR FODY AND LEA COUNTIES. NEW MEXICO, ARRANGED BY BOTH FORMATION SOURCE AND GEOGRAPHIC LOCATION. 330 TABLE 4A.--HATEK-DUALITY DATA FOR EDDY AND LFA COUNTIFS, NEW MEXICO, ARRANGED BY BOTH FORMATION SOURCE AND GEOGRAPHIC (ACATION.

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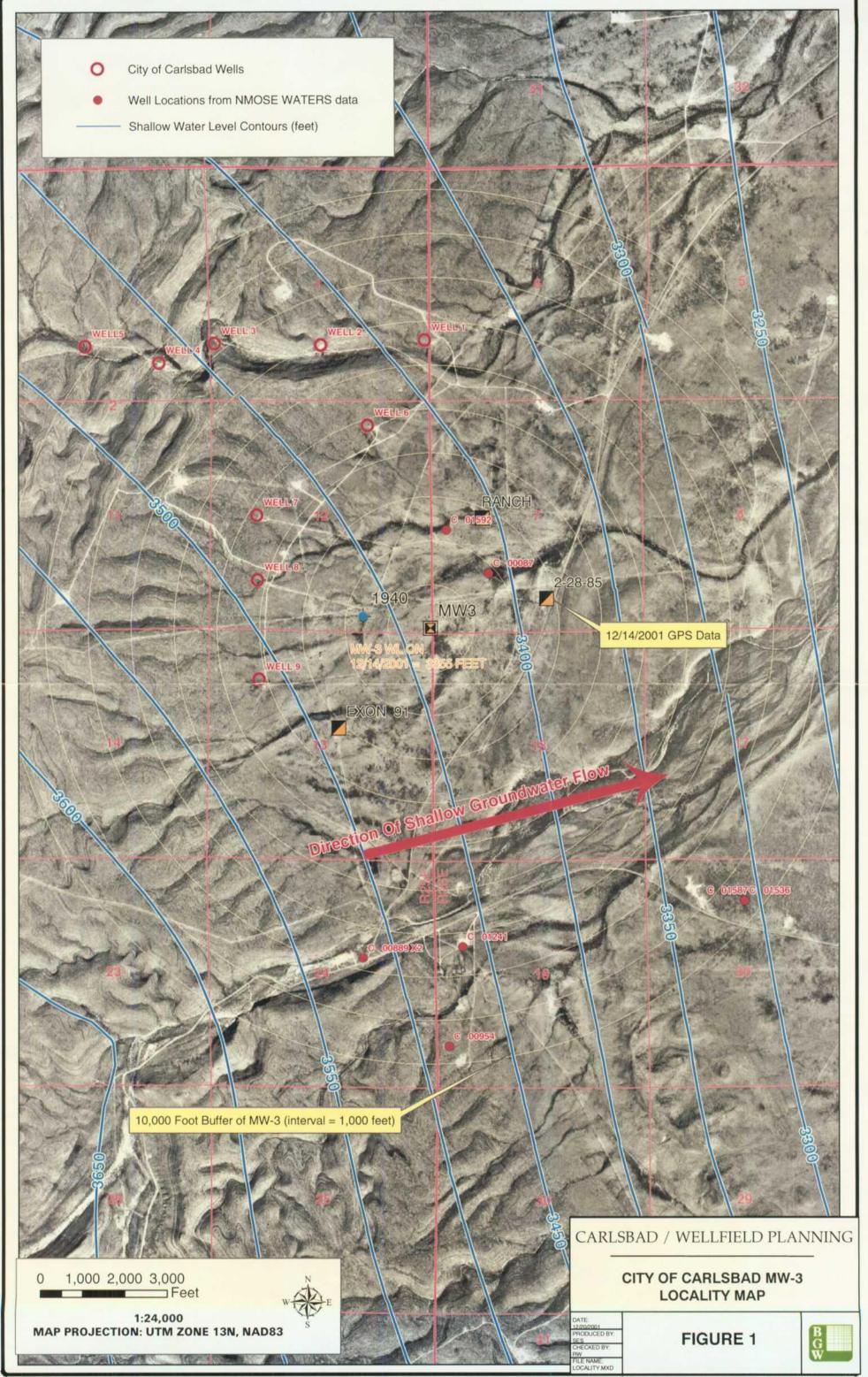


#### BALLEAU GROUNDWATER, INC.

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 1220 S. St. Francis Drive Santa Fe, NM 87505 Ross Wolford	Conservation Div.	Date Subject	December 31, 2001  CARLSBAD/WELLFIELD
The foll	lowing items are attached	as requested.	<del></del>	discussed. iew/comment.
No.	Copies	Description	on	
<u>1</u>	1 Figure 1 – City of	Carlsbad MW-3 Loca	ality Map	
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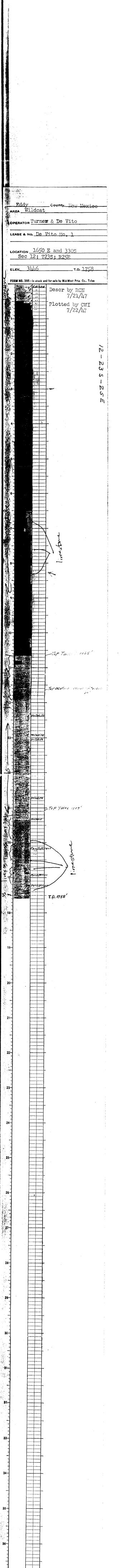
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## RECEIVED

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ENVIRONMENTAL BUREAU OIL CONSERVATION DIVISION



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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 .			ì				
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### Sheep Draw Well Field, Eddy County, New Mexico Bryan G. Arrant-PES New Mexico Oil Conservation Division-District II May 5<sup>th</sup>, 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 bole 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 4<sup>th</sup> 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 30015235380000 300152 4770000 30015250460000 EXXON CORPORATION MARY FEDERAL 3-Y 023.0S 025.0E 0111 TD 5195.0 ft D&A 3739.0 ft KB 30015209990000 HANAGAN PET CORP SQUAW 1 023 08 025 0E 012 TD 11460.0 ft 30015001360000 30015253780000 EXXON CORPORATION MARY FEDERAL 3 CITIES SERV OIL CO.
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	Carlsbad City	OCD Samples	OCD Samples
Parameter	Samples	Trace Analysis	Pinnacle Labs
	(12/20/01)	(3/5/02)	(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	NA	271,000	224,000
Solids			

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)

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	DATE OF COLLECTION	001-10-655	03-00-62 03-00-62 04-30-64 04-30-64 04-30-64	04-26-65 04-26-65 01-14-66 10-07-71 10-27-67	11-04-66 01-12-67 03-20-52 04-00-60 10-25-66	06-10-66 05-14-66 05-17-66 05-10-56 00-10-10-00 01-00-00	12-23-59 04-00-64 01-00-60 12-23-59	01-16-69 07-10-59 07-29-59 09-23-61 05-13-60 06-13-62	03-21-62 04-25-61 00-00-64 03-27-62 03-21-62
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# TABLE 2 - Delaware Formation Water Quality - continued (W.L. Hiss –1975)

LEA COUNTY

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LEA COUNTY	01550LVED 50L105 (5UM)	250,000.	220,000.	240,000.	220,000.	290,000	5,800.	130,000.	220,000.	22.50	170,000.	230,000.	82.	000	1,800	16,000.	2,500 2,500 100 100	25,000.	7,080.	•	
_	DFNSITY NATER AT 20C (GM/ML)	1.174	1.155	091.1.	1000	205	1.010	1.080	551.1	1.025	1.137	035		200.1		800	200.1	58.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00	1.00.5	.003	* * COO.
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	ĺ	01-26-21				04-03-64	06-21-63	07-30-65		04-26-63		08-01-60 08-01-52 03-04-58				01-10-62	11-28-47			08-25-47	
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TABLE 44 .-- WATER-QUALITY DATA FOR EDDY AND LEA COUNTIES WEW MEXICO, ARRANGED BY BRIN

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 Paraboultonia(?)	15-80				
Reichelina	106-232				
Paradoxiella	242-324				
Codonofusiella	332-469 (total depth)				
Yaheina teyana	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.

### References

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----, 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

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**ABSTRACT-EXHIBIT 1** 

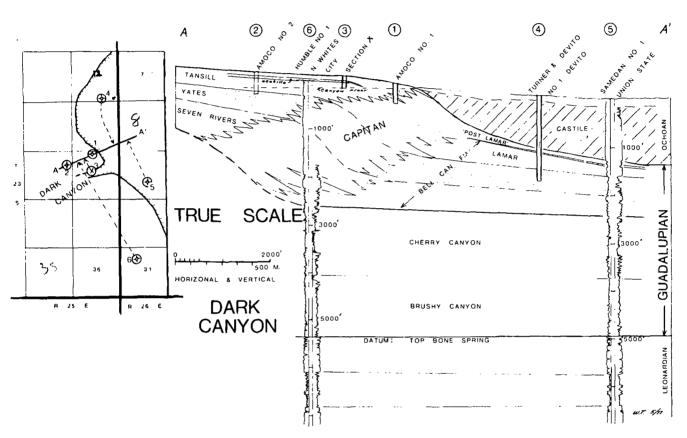


FIGURE 1—True-scale stratigraphic section showing relationships of Amoco core holes to nearby well control in Dark Canyon, Guadalupe Mountains, Eddy County, New Mexico.

### FIGURE 1

by Willis W. Tyrrell, Jr., Amoco International Oil Compuny, Chicago, Illinois, Donald H. Lokke, Southern Methodist University, Dallas, Texas, George A. Sanderson, Amoco Production Company, Tuisa, Oklahoma and George J. Verville, Amoco Production Company, Denver, Colorado

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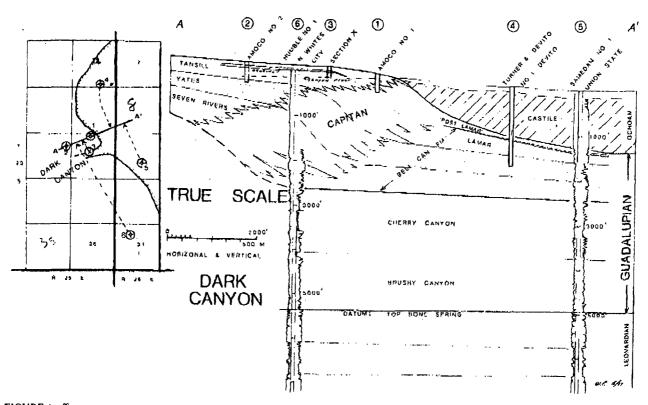


FIGURE 1—True-scale stratigraphic section showing relationships of Amoco core holes to nearby well control in Dark Canyon, Guadalupe Mountains, Eddy County, New Mexico.

by Willis W. Tyrrell, Jr., Amoco International Oil Compuny, 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

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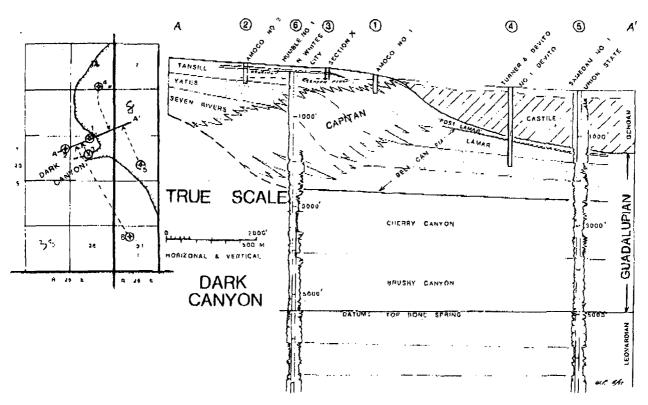


FIGURE 1—TRUE-SCALE STRATIGRAPHIC SECTION SHOWING RELATIONSHIPS OF AMOCO CORE HOLES TO NEARBY WELL CONTROL IN DARK CANYON, GUADALUPE MOUNTAINS, EDDY COUNTY, NEW MEXICO.

by Willis W. Tyrrell, Jr., Amoco International Oil Compuny, Chicago, Illinois, Donald H. Lokke, Southern Methodist University, Dallas, Texas, George A. Sunderson, Amoco Production Company, Tulsa, Oklahoma and George J. Verville, Amoco Production Company, Denver, Colorado

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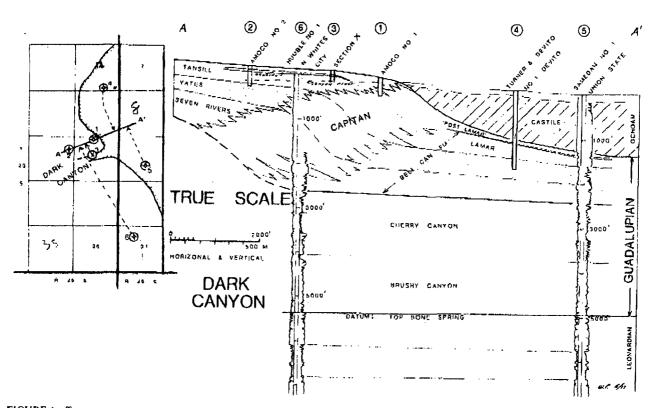


FIGURE 1—True-scale stratigraphic section showing relationships of Amoco core holes to nearby well control in Dark Canyon, Guadalupe Mountains, Eddy County, New Mexico.

### 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 qqq

02878

23S 25E 12 4 4 4

Driller Licence: 1472 HYDROGEOLOGIC SERVICES, INC.

Drill Start Date: 10/21/2001

Log File Date: 07/01/2002

320

Pump Type:

Casing Size:

Depth Well:

Driller Name: WHALEY, BILL W.

Drill Finish Date: 10/22/2001 PCW Received Date:

Pipe Discharge Size:

Estimated Yield:

X

90 Depth Water:

Water Bearing Stratifications:

Top Bottom 90

Description

Shallow Alluvium/Basin Fill

Y

Source: Shallow

Casing Perforations:

Top 102

Bottom 110

110

Appendix BBB

### 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 Т

72121 12/17/2001 PMT LOG PRC C 02878

(qtr are 1=NW 2=NE 3=SW 4=SE)

Point of Diversion UTM a (qtr are biggest to smallest X Y are in Feet POD Number Tws Rng Sec q q q UTM Z Source Zone x Y

23S 25E 12 4 4 4 <u>1</u>3 C 02878 Shallow

### New Mexico Office of the State Engineer Well Reports and Downloads

Township: 23S Range: 25E Sections: 12							
NAD27 X: Zone: Search Radius:							
County: Basin: Number: Suffix:							
Owner Name: (First) (Last) C Non-Domestic C Domestic							
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

								(Depth	Water	in	Feet)
Bsn	Tws	Rng	Sec	Zone	x	Y	Wells	Min	Max		Avg
С	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 Acres Diversion Consumptive Purpose of Use

 $\overline{C}$  02878 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.

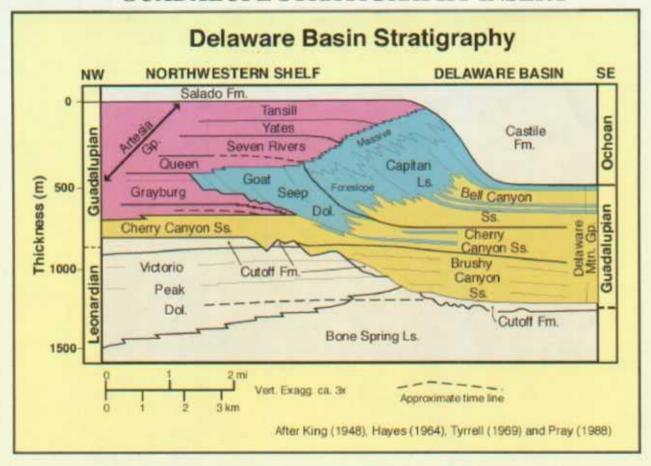
### Action of the State Engineer

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

by Willis W. Tyrrell, Jr., Amoco International Oil Compuny, 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 Paraboultonia(?)	15-80				
Reichelina	106-232				
Paradoxiella	242-324				
Codonofusiella	332-469 (total depth				
Yabeina texana	391 (one bed)				

In the Amoco No. I Dark Canyon core hele, 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.

Parahoultonia 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 lower most 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.

### 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-Laniar), Capitan Reef Complex, west Texas and New Mexico: Society of Economic Paleontologists and Mineralogists, Spec. Pub. No. 14, p. 8-97

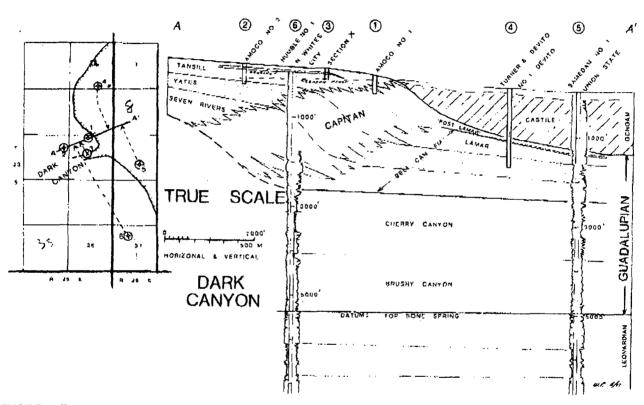


FIGURE 1—True-scale stratigraphic section showing relationships of Amoco core holes to nearby well control in Dark Canyon, Guadalupe Mountains, Eddy County, New Mexico.

5,6#3

6 " Surface Cosing 8- 50"

0-15' pad

1.5-3' SM- Sandwith Silt, lightom, dry

3'-8' SC- Sandwith Clay, (Calicle) tan-white, dry

8'-36' CL- Clay, with sand and cobbblez, real form

Sli-moist-moist

36'-47' Fractual-weathered Limoslare light grey

47'- He Consolidated 25 light grey - grey

92-118 Fractual/weathered 25.

116- Brise/dack wate

118-320 Dry Linestone, gry 20 dowlyny

TD 325

2 nel hole hit Percheel brin at 98'
6" Surface Cosio +1.5' to 120

FIGURE 6



## SHEEP DRAW WELLFIELD Carlsbad, New Mexico

