

June 7, 1984

State of New Mexico
Energy and Minerals Department
Oil Conservation Division
P.O. Box 2088
Santa Fe, New Mexico 87501

JUN 11 1984

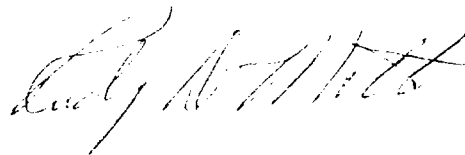
Gentlemen:

Attached please find Union Texas Petroleum Corporations request for an exemption from the provisions of the New Mexico Natural Gas Pricing Act for the Zachry No. 29 well, located 937 feet from the North line and 1785 feet from the West line of Section 33, T29N, R10W, N.M.P.M., San Juan County New Mexico.

We would appreciate your signing in the place provided below and dating one copy of this letter and returning it to us. Please show the date which this application was received into record, so that our files will be complete.

Very Truly Yours,

UNION TEXAS PETROLEUM CORP.



Rudy D. Motto
Area Operations Manager

RDM:svr

This application was received
on 6/11/84
(Date)

and placed on record on

(Date)

By: [Signature]

Title: Coowner

**Union Texas
Petroleum**

P. O. Box 1290
Farmington, N.M. 87499
(505) 325-3587

June 7, 1984

State of New Mexico
Energy and Minerals Department
Oil Conservation Division
P.O. Box 2088
Santa Fe, New Mexico 87501

JUN 1 1984

Re: Zachry No. 29
937' FNL; 1785' FWL
Sec. 33, T29N, R10W, NMPM
San Juan County, New Mexico

Gentlemen:

Pursuant to the provisions of the New Mexico Oil Conservation Commissions Order R-5436, Section 62-7-5 NMSA 1978, Union Texas Petroleum Corporation requests an exemption for the above referenced replacement well from the provisions of New Mexico Natural Gas Pricing Act.

Attached for your consideration is a copy of an area plat showing the referenced proration unit, location of all wells thereon and the ownership and location of all wells offsetting it.

The original well on the subject proration unit was the Zachry No. 15-E well and was located 950 feet from the North line and 1650 feet from the West line of Section 33, Township 29N, Range 10W, N.M.P.M. of San Juan County, New Mexico. This well was dually completed as a Basin Dakota and Wildcat Gallup well. The Gallup formation was producing with the aid of a downhole pump and rod string when the rods paraffined in the tubing. While attempting to pull the rods the tubing string parted and fell in the hole. While attempting to recover the tubing string the Gallup zone had to be squeezed off to facilitate fishing operations. The Gallup formation would not produce which necessitated drilling a replacement well which was named the Zachry No. 29.

The Zachry No. 29 was spudded December 3, 1982 and a copy of the AFE is attached as required in Rule 6(a) (see attached form 9-331 dated 12-8-82).

The replacement well resulted from mechanical failure. The description of the nature and cause of the failure is described in paragraph 3 above along with the explanation of how it was determined. The history of the attempted repair work is attached. The projected well costs are shown on the attached AFE and the actual well costs are shown on the last line of column 10 of

the attached drilling record. Since this well had to be squeezed off with cement to facilitate the fishing of the tubing and rods from the top of the packer set below the Gallup zone and above the Dakota zone, we evaluated the potential of recompletion in the Gallup zone as zero. Without squeezing the Gallup zone off to fish the tubing and rods from the hole we also jeopardized the Dakota zone in addition to the Gallup zone.

The Zachry No. 29 replacement well resulted in a well producing at a commercial rate.

Proof that the Gallup formation was plugged and abandoned is contained on Form 9-331 (Sundry Notices and Reports on Wells) and the replacement well was not completed until January 18, 1983 as proof of the requirements of Rule 6(d).

Union Texas Petroleum Corporation respectfully requests that this exemption be approved as soon as practical.

Very Truly Yours,

UNION TEXAS PETROLEUM CORPORATION



Rudy D. Motto
Area Operations Manager

RDM:svr

cc: Mr. Frank Chavez, Superintendent
District III Office
New Mexico Oil Conservation Division
1000 Rio Brazos Road
Aztec, New Mexico 87410

Gas Company of New Mexico
P.O. Box 26400
Albuquerque, New Mexico 87125
Attn: Gas Supply Department

Mr. D. W. Pickels
Mr. G. R. Johnson
Mr. T. K. Woolley
Mr. W. N. Hahne

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUNDRY NOTICES AND REPORTS ON WELLS

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

1. oil well ☐ gas well ☒ other ☐

2. NAME OF OPERATOR
Supron Energy Corporation

3. ADDRESS OF OPERATOR
P.O. Box 808, Farmington, New Mexico 87401

4. LOCATION OF WELL (REPORT LOCATION CLEARLY. See space 17 below.)
AT SURFACE: 940 Ft./North; 1650 Ft./West line
AT TOP PROD. INTERVAL: Same as above
AT TOTAL DEPTH: Same as above

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

5. LEASE
SF 080724-A

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME
Zachrv

9. WELL NO.
15-E

10. FIELD OR WILDCAT NAME
Wildcat Gallup; Basin Dakota

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA
Sec. 33, T-29N, R-10W, N.M.P.M.

12. COUNTY OR PARISH
San Juan

13. STATE
New Mexico

14. API NO.

15. ELEVATIONS (SHOW DF, KDB, AND WD)
5633 R.K.B.

REQUEST FOR APPROVAL TO: SUBSEQUENT REPORT OF:

TEST WATER SHUT-OFF ☐ ☐

FRACTURE TREAT ☐ ☐

SHOOT OR ACIDIZE ☐ ☐

REPAIR WELL ☐ ☐

PULL OR ALTER CASING ☐ ☐

MULTIPLE COMPLETE ☐ ☐

CHANGE ZONES ☐ ☐

ABANDON* ☐ ☐

(other) Abandoned Gallup Zone ☒

RECEIVED

AUG 23 1982

Report results of multiple completion or zone change on Form 9-330.

GEOLOGICAL SURVEY
FARMINGTON, N.M.

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.)*

- Set Baker retrievable bridge plug at 5913 ft. R.K.B.
- Ran 5-1/2" RTTS packer and set at 5830 ft.
- Pressure - tested plug to 2500 P.S.I. Tested OK. Spotted 10 gal. sand on plug.
- Re-set packer at 4890 ft. and established a rate of 3 bbl/Min. at 800 P.S.I.
- Mixed and pumped 150 sacks of class "B" cement with 2% calcium chloride and 150 sacks of class "B" with 0.4% Halad 9. Shut well in with 400 P.S.I. Standing pressure.
- Tagged cement at 5355 ft. and cleaned out to 5715 ft. with 4-3/4" bit.
- Pressure - tested casing to 2000 P.S.I. for 15 minutes. Held OK.
- Pulled retrievable bridge plug.
- Killed on junk on top of packer.
- Packer fell to 6404 ft.

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

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

SIGNED Kenneth E. Padden TITLE Production Supt. DATE August 20, 1982

(This space for Federal or State office use)

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

ACCEPTED FOR RECORD

SEP 03 1982

*See Instructions on Reverse Side

FARMINGTON

BY smh

OPERATOR

Instructions

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

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

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

Form 1076 O - 214-149

11. Acidized with 1000 gal. 7-1/2% NCA acid. Swabbed well.
12. Acidized with 1000 gal. 15% NCA acid and 600 SCF per bbl. of nitrogen and 50 ball sealers. Swabbed well.
13. Acidized with 3000 gal. 7-1/2% HCL and 700 SCF nitrogen per barrel and 50 ball sealers. Swabbed well.
14. Set RTTS packer at 6400 ft. and spotted 500 gal. of 15% HCL from 6400 ft. to 5900 ft.
15. Came out of the hole with the packer and treated Dakota zone with 48,000 lb. of 20-40 sand and 30,000 gal. of 30 lb. cross-linked gelled 1% KCL water.
16. Swabbing and cleaning Dakota zone as of 8/17/82.

DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY
UNITED STATES

Form 1076 O - 214-149

JUN 3

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUNDRY NOTICES AND REPORTS ON WELLS

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

1. oil ☒ well gas ☒ well other

2. NAME OF OPERATOR

Supron Energy Corporation

3. ADDRESS OF OPERATOR

P.O. Box 808, Farmington, New Mexico 87401

4. LOCATION OF WELL (REPORT LOCATION CLEARLY. See space 17 below.)

AT SURFACE: 940 ft./N; 1650 ft./W line

AT TOP PROD. INTERVAL: Same as above

AT TOTAL DEPTH: Same as above

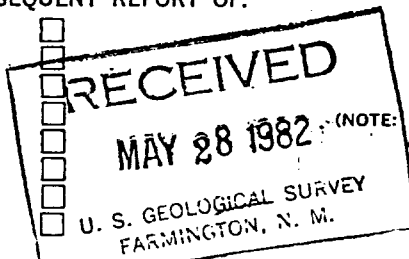
16. CHECK APPROPRIATE BOX TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

REQUEST FOR APPROVAL TO:

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

(other) Abandon Gallup Zone

SUBSEQUENT REPORT OF:



5. LEASE

SF 080724-A

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME

Zachry

9. WELL NO.

15-E

10. FIELD OR WILDCAT NAME

Wildcat Gallup; Basin Dakota

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

Sec. 33, T29N, R10W, N.M.P.M.

12. COUNTY OR PARISH

San Juan

13. STATE

New Mexico

14. API NO.

15. ELEVATIONS (SHOW DF, KDB, AND WD)

5621 GL

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

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

This well was a Gallup-Dakota dual completion. The Dakota was flowing and the Gallup was being pumped. During a pump-changing operation, the Gallup tubing parted, leaving a bad fishing job. We will not be able to circulate the well in order to recover the junk on top of the packer with the Gallup perforations open. Therefore, we request permission to plug and abandon the Gallup zone and make the well a single Dakota completion. The Gallup zone will be abandoned according to the following procedures:

- 1) Set retrievable bridge plug at about 5900 ft.
- 2) Put about 10 gallons of sand on top of bridge plug.
- 3) Run packer and set at about 4900 ft.
- 4) Squeeze Gallup perforations with about 250 sacks of cement.
- 5) Drill out cement and pressure-test to 2000 P.S.I.
- 6) Clean junk off packer and pull packer. (Over)

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

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

SIGNED

Handwritten signature of Kenneth E. Roddy.
Kenneth E. Roddy

TITLE Production Supt.

DATE May 27, 1982

APPROVED

APPROVED BY
CONDITIONS OF APPROVAL, IF ANY:Handwritten signature of James F. Sims.
JUN 02 1982
For JAMES F. SIMS
DISTRICT ENGINEER

(This space for Federal or State office use)

TITLE _____

DATE _____

*See Instructions on Reverse Side

OPERATOR

Instructions

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

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

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

GPO : 1976 O - 214-149

7) Run single string of tubing to the Dakota zone.

The above procedures were verbally approved by Mr. John Keller on 5/26/82.

WELL ABANDONMENT AND REPORTS FORM

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND SURVEY

August 17, 1982

JUN 11 1984

RECEIVED

Mr. Tom Coers
District Vice President
P.O. Box 1899
Bloomfield, New Mexico 87413

Dear Sir:

I sent you a letter stating that we had P & A the Pierce "A" No. 2-E Gallup zone of that well. That well is still producing and has not been plugged.

The Zachry No. 15-E Gallup zone has been plugged and abandoned.

This well is located 990 feet from the North line and 1650 feet from the West line of Section 33, Township 33 North, Range 10 West, N.M.P.M. of San Juan County, New Mexico.

The tie in, meter, meter tube and building which you have installed may be removed at your convenience.

The Dakota zone will continue to produce as connected.

The Pierce "A" No. 2-E well is still producing from both the Gallup and Dakota zones.

UNION TEXAS PETROLEUM



Rudy D. Motto
Field Operations Manager

RDM:bjs

cc: Mr. Perry McFarland
Mr. Bruno Giovanini
Mr. Bob Large
Mr. Bryant Roundy
Mr. Derald Ferrari
Mr. Don Wells
Mr. Joe Stewart

we file

GAS COMPANY OF NEW MEXICO

FORM 755-091 11-76

August 12, 1982

Supron Energy Corporation
P. O. Box 808
Farmington, N.M. 87401
Attn: Kenneth Roddy

Subject: Zachry 15-E

Sta.#4957K8

(C)33-29N-10W

Gentlemen:

phone call
In accordance with our ~~letter~~ to you dated *8-11-82, we have suspended the
changing of charts and servicing of our equipment on the above named well effective
8-17-82.

*You reported well P&A'd.

We will be pleased to reinstitute service on this well upon your notification that it is
again economically capable of producing into our lines.

Very truly yours,

James R. Large
James R. Large
Dispatch Manager

/sw

cc: Mr. E. R. Corliss, Engineering
Mr. R. J. McCrary, Prorations
Mr. Mike Lambert, Gas Supply
Mr. Richard Thomas, Gas Supply
Ms. Nylene Dickson, Economic Analyses
Mr. Bryant Roundy, Kutz
Mr. Derald Ferrari, Kutz
File

P.O. Box 1899, Bloomfield, New Mexico 87413

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1. TYPE OF WORK:

DRILL ☒DEEPEN ☐PLUG BACK ☐

2. TYPE OF WELL:

OIL
WELL ☒GAS
WELL ☐

OTHER:

SINGLE
ZONE ☒MULTIPLE
ZONE ☐

3. NAME OF OPERATOR:

Union Texas Petroleum Corporation

4. ADDRESS OF OPERATOR:

P.O. Box 808, Farmington, NM 87401

5. LOCATION OF WELL (Report location clearly and in accordance with any State requirements):

At surface 937 ft./North; 1785 ft./West lines

At proposed prod. zone:

Same as above

6. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE:

6-1/2 miles Southeast of Bloomfield, New Mexico

7. DISTANCE FROM PROPOSED

LOCATION TO NEAREST
PROPERTY OR LEASE LINE, FT.
(Also to nearest drilg. unit line, if any)

855 ft.

855 ft.

8. DISTANCE FROM PROPOSED LOCATION*
TO NEAREST WELL, DRILLING, COMPLETED,
OR APPLIED FOR, ON THIS LEASE, FT.

120 ft.

9. NO. OF ACRES IN LEASE

2284.30

10. PROPOSED DEPTH

5995

11. NO. OF ACRES ASSIGNED
TO THIS WELL

SW SE 40.00

12. ROTARY OR CABLE TOOL

Rotary

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

5620 Gr.

14. APPROX. DATE WORK WILL START*

October 20, 1982

PROPOSED CASING AND CEMENTING PROGRAM

| SIZE OF HOLE | SIZE OF CASING | WEIGHT PER FOOT | SETTING DEPTH | QUANTITY OF CEMENT |
|--------------|----------------|-----------------|-----------------|-------------------------------------|
| 13-3/4" | 10-3/4" K-55 | 40.55 | 300 ft. | 240 cu. ft. (Circulated) |
| 9-7/8" | 7-5/8" K-55 | 26.40 | 4650 ft. | 1440 cu. ft. (Top of the Ojo Alamo) |
| 6-3/4" | 5-1/2" J-55 | 15.50 | 4650 - 5995 ft. | 142 cu. ft. (Top of the liner) |

We desire to drill 13-3/4" surface hole to approximately 300 ft. using natural mud as the circulating medium. Run new pipe to T.D. Cement with approximately 240 cu. ft. of Class "B" cement circulated to surface. W.O.C. Pressure test the pipe to 800 PSIG for 10 minutes. Drill out with 9-7/8" bit to approximately 4650 ft. using a starch base, permaloid, non-dispersed mud as a circulating medium. Log the well. Run new casing to T.D. with a D.V. tool at approximately 2000 ft. Cement first stage w/approximately 620 cu. ft. of 65/35/6 followed by approximately 90 cu. ft. of class "B" cement. Cement 2nd stage w/approximately 640 cu. ft. of 65/35/12 followed by approximately 90 cu. ft. of Class "B" cement. W.O.C. Pressure test the casing to approximately 1500 PSIG for 10 minutes. Drill 6-3/4" hole to T.D. of approximately 5995 ft. using natural gas as the circulating medium. Log the well. Run new 5-1/2" pipe to T.D. w/a liner at approximately 4650 ft. Cement with approximately 142 cu. ft. of 50-50 per. W.O.C. Test the casing. Perf and fracture the Gallup zone. Clean the well up. Run new 2-3/8" EUE, 4.7#, J-55 tubing to the Gallup zone. Nipple down the well head. Run pump and rods. Set pumping unit and tanks. Test well. Connect to a gathering system. The gas from this well has previously been dedicated to a transporter.

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen or plug back, give data on present productive zone and proposed new productive zone. If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blowout preventer program, if any.

SIGNED Rudy D. MottoTITLE Field Operations ManagerDATE September 6, 1982

(This space for Federal or State office use)

PERMIT NO. _____

APPROVAL DATE: _____

APPROVED BY _____

TITLE _____

APPROVED
AS AMENDED

DATE

NOV 02 1982

JAMES F. SIMS
DISTRICT ENGINEER

NEW MEXICO OIL CONSERVATION COMMISSION WELL LOCATION AND ACREAGE DEDICATION PLAT

Supersedes C.
Effective 1-4-8

All distances must be from the outer boundaries of the Section.

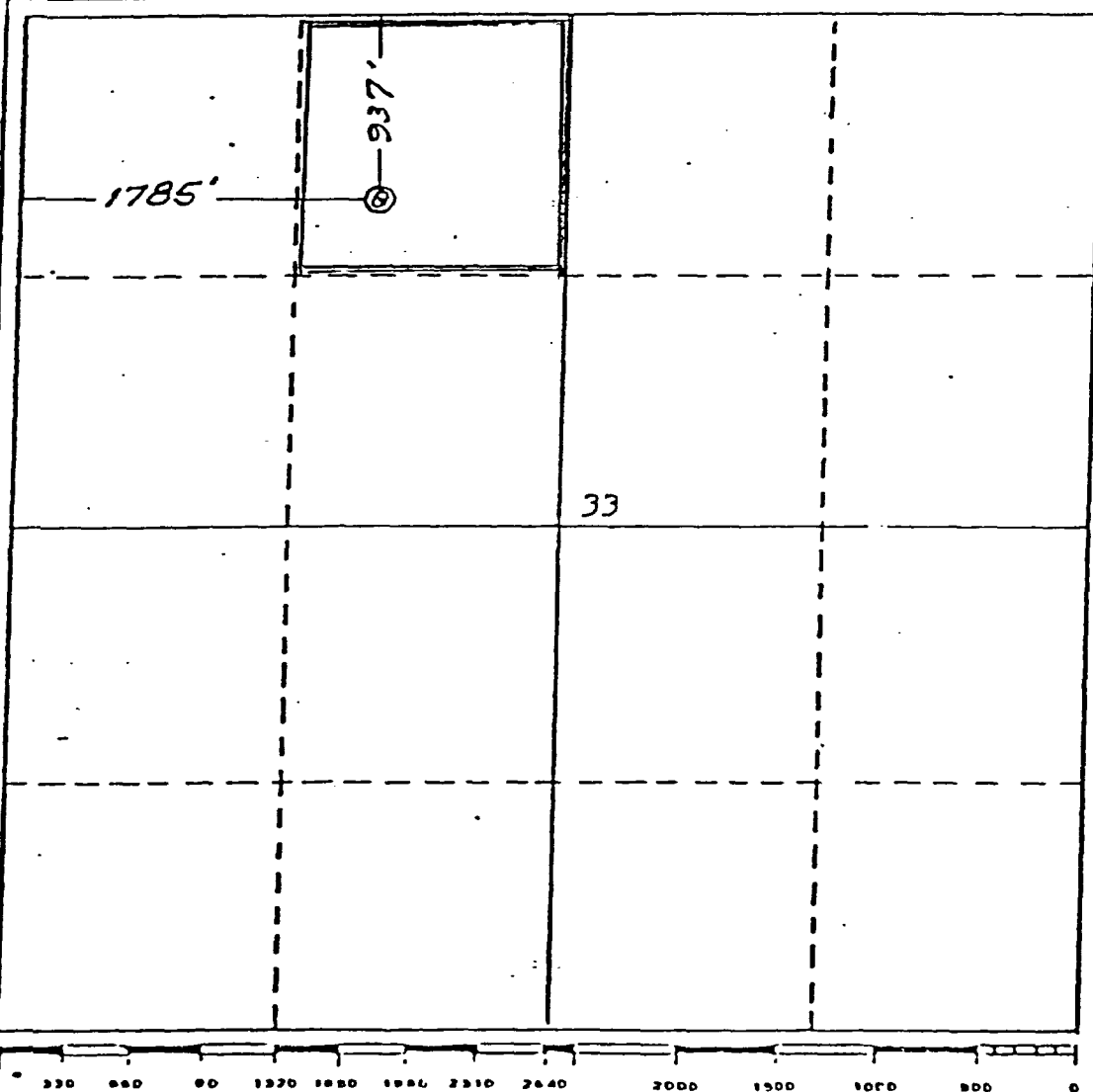
| | | | | | |
|---|--------------------------------------|-----------------------------|-------------------------|--|-----------------------|
| Operator UNION TEXAS PETROLEUM CORP. | | | Lease ZACHRY | | Well No. 29 |
| Unit Letter C | Section 33 | Township 29 NORTH | Range 10 WEST | County SAN JUAN | |
| Actual Footage Location of Well: 937 feet from the NORTH line and 1785 feet from the WEST line | | | | | |
| Ground Level Elev. 5620 | Producing Formation GALLUP | | Pool Armenta | Dedicated Acreage NE NW 40.00 Acre | |

1. Outline the acreage dedicated to the subject well by colored pencil or hatchure marks on the plat below.
2. If more than one lease is dedicated to the well, outline each and identify the ownership thereof (both as to working interest and royalty).
3. If more than one lease of different ownership is dedicated to the well, have the interests of all owners been consolidated by communitization, unitization, force-pooling, etc?

☐ Yes ☒ No If answer is "yes," type of consolidation _____

If answer is "no," list the owners and tract descriptions which have actually been consolidated. (Use reverse side of this form if necessary.) _____

No allowable will be assigned to the well until all interests have been consolidated (by communitization, unitization forced-pooling, or otherwise) or until a non-standard unit, eliminating such interests, has been approved by the Commission.

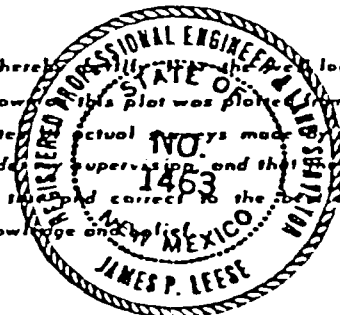


CERTIFICATION

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

Name
Rudy D. Motto
Position
Field Operations Manager
Company
Union Texas Petroleum Corp
Date
August 10, 1982

I hereby certify that the location shown on this plat was plotted from field notes, actual surveys made by me or under my supervision, and that the same is true and correct to the best of my knowledge and belief.



Date Surveyed
July 30, 1982
Registered Professional Engineer and/or Land Surveyor
James P. Leese
Certificate No.
1463

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUNDRY NOTICES AND REPORTS ON WELLS

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

1. oil well ☒ gas well ☐ other ☐

2. NAME OF OPERATOR

Union Texas Petroleum Corporation

3. ADDRESS OF OPERATOR

P.O. Box 808, Farmington, New Mexico 87499

4. LOCATION OF WELL (REPORT LOCATION CLEARLY. See space 17 below.)

AT SURFACE: 937 ft./N; 1785 ft./W line

AT TOP PROD. INTERVAL: Same as above

AT TOTAL DEPTH: Same as above

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

REQUEST FOR APPROVAL TO:

TEST WATER SHUT-OFF ☐

FRACTURE TREAT ☐

SHOOT OR ACIDIZE ☐

REPAIR WELL ☐

PULL OR ALTER CASING ☐

MULTIPLE COMPLETE ☐

CHANGE ZONES ☐

ABANDON* ☐

(other) ☐

SUBSEQUENT REPORT OF

☒

☐

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☐

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☐

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☐

RECEIVED

DEC 10 1982

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

U. S. GEOLOGICAL SURVEY
FARMINGTON, N. M.

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

1. Spudded 14-3/4" surface hole at 7:30 P.M. 12/3/82.
2. Drilled 14-3/4" surface hole to 316 ft. R.K.B.
3. Ran 7 joints of 10-3/4", 40.50#, H-40 casing and set at 316 ft. R.K.B.
4. Cemented with 295 cu. ft. of class "B" with 2% CaCl₂. Plug down at 6:30 A.M. 12/4/82. Cement circulated to the surface.
5. Waited on cement for 12 hours.

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

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

SIGNED Kenneth E. Roddy TITLE Area Prod. Supt. DATE December 8, 1982

Kenneth E. Roddy

(This space for Federal or State office use)

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

ACCEPTED FOR RECORD

*See Instructions on Reverse Side

DEC 15 1982

FARMINGTON DISTRICT

BY SM

OPERATOR

| | | | | | |
|---|--|---|--|---|--|
| (COMPANY NAME AND NO. IF OTHER THAN UTPC) | | | | MLL 8/2/1982 | |
| UNION TEXAS PETROLEUM <input checked="" type="checkbox"/> UNICON PRODUCING COMPANY | | | | SHEET OF | |
| ORIGINATING OFFICE Western Division | | TYPE OF WORK (IF NZW, INDICATE WHETHER EXPL. OR DEVEL.) Development Drilling | | SAFE NO. 4-8803 | |
| T. START DATE 8/15/1982 | | EST. FINISH DATE 9/06/1982 | | OPERATING PARTNER'S SAFE NO. | |
| TOTAL COST \$ 530,500 | | UTP INT. % 100 | | UTP'S COST \$ 530,500 | |
| SUBJECT AND LOCATION (USE BLOCKS FOR DESIRED COMPUTER PRINTOUT NAME) A C H R Y # 2 9 ec. 33-29N-10W Kutz Canyon San Juan County, New Mexico | | | | E&P PROJECT CATEGORY NON-E&P | |
| | | | | LEASE <input type="checkbox"/> G&G <input type="checkbox"/> EXPANSION <input checked="" type="checkbox"/> COST SAV. <input type="checkbox"/> EXPLOR. <input type="checkbox"/> R/M CAPITAL <input type="checkbox"/> DEVEL. <input checked="" type="checkbox"/> ENVIRONMENTAL <input type="checkbox"/> L&WE <input type="checkbox"/> ENERGY <input type="checkbox"/> OTHER <input type="checkbox"/> EXPENSE <input type="checkbox"/> EXPENSE <input type="checkbox"/> LEASEHOLD IMP. <input type="checkbox"/> | |
| | | | | IMPLEMENTS AN AR PRIOR APPROVAL <input type="checkbox"/> | |

DISPOSAL

It is proposed to drill a 5995' development Gallup well in the Kutz Canyon area of the San Juan Basin.

The proposed location is south and east, and within a two mile radius of six Gallup producers. Average initial potentials for these six wells is 75 BOPD & 300 MCFD, with all six having been completed since September, 1981. Recent contract negotiations have resulted in Southern Union releasing their right of first refusal on the casing head gas for the Gallup in this area. Therefore, it will be possible to produce the Gallup completions at their maximum rate. Reserves of 50 MBO and 200 MMCFG have been assigned the Gallup for economic analysis.

All permits required from governmental agencies will be obtained prior to performing this work and proper precautions will be taken to avoid damage to the environment.

| APPROVAL | | DATE | | PARTNERS (*OPERATOR) | | INTEREST (%) | | FOR SUPPLEMENTAL AFE USE ONLY | | | | | |
|--|--|------------|--|----------------------|--|-------------------------------------|--|---------------------------------|--|------------|--|----------|--|
| | | | | | | | | 1. CUM. AMOUNT PREVIOUSLY AUTH. | | TOTAL COST | | UTP COST | |
| | | | | | | | | 2. THIS SUPPLEMENT | | | | | |
| | | | | | | | | TOTAL (1) + (2) | | | | | |
| | | | | | | | | (2) ÷ (1) | | | | % | |
| ESTIMATED COST | | | | | | | | | | | | | |
| NEW DRILLING WELLS AND/OR CAPITAL WORKOVERS ONLY | | PRODUCTIVE | | DRY HOLE | | EXPENSE WORKOVERS OR OTHER PROJECTS | | TOTAL COST | | UTP'S COST | | | |
| TANGIBLE EQUIPMENT | | 211,400 | | 73,200 | | CAPITAL BUDGET | | | | | | | |
| TANGIBLE COSTS | | 319,100 | | 178,500 | | OPERATING EXPENSE | | | | | | | |
| TOTAL COST | | 530,500 | | 251,700 | | OTHER | | | | | | | |
| UTP'S COST | | 530,500 | | 251,700 | | TOTAL | | | | | | | |
| ACCOUNTING CHARGES | | | | | | | | | | | | | |
| 8 3 1 0 X X 4 3 3 1 3 7 4 8 8 0 3 4 5 0 9 | | | | | | | | | | | | | |
| SUBJECT TO CORPORATE APPROVAL YES <input type="checkbox"/> NO <input checked="" type="checkbox"/> | | | | | | | | | | | | | |
| BUDGET STATUS BUDGETED <input checked="" type="checkbox"/> NOT INCLUDED <input type="checkbox"/> | | | | | | | | | | | | | |
| FINANCED BY TRANSFER <input type="checkbox"/> FINANCED BY SUBSTITUTION <input type="checkbox"/> | | | | | | | | | | | | | |
| STAFF REVIEW DATE LEGAL DATE OPERATING DEPARTMENT REVIEW/DATE EXP. MGR. DATE GENL. MGR. DATE V.P. DATE V.P.A.M. DATE | | | | | | | | | | | | | |
| DEC 10 1982 | | | | | | | | | | | | | |

```
*****
* ZACHRY 15E ID : 3637 *
* UNDESIGNATED AFE : *
* KUTZ CANYON EAST *
* SAN JUAN , NM OPERATED *
*****
```

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AAPG TYPE : DW                SPUD DATE : 1/28/1981                WORK-OVER START DATE : 4/23/1982

OPERATOR : UNION TEXAS        CONTRACTOR : AZTEC WELLSERV        * CONTRACTOR :

K.B. ELEV : 0                 GROUND ELEV : 0                 CASING HD FLANGE ELEV : 0

LOCATION : 940 FNL, 1605 FWL, SEC 33,29N-R10W

EST. COST : $ 428700          ACTUAL COST : $ 464974          PROPOSED (ACTUAL) T.D.: 6600

OBJ. FORM.: GALLUP           PLUG BACK TOTAL DEPTH : 0

API WELL #: 24459            COMPLETION DATE : 5/29/1981        WORK-OVER COMPLETION DATE : 1/ 1/1800

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OWNERS

[illegible]

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*****
* ZACHRY 15E ID : 3637 *
* UNDESIGNATED AFE : *
* KUTZ CANYON EAST *
* SAN JUAN , NM OPERATED *
*****

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MUD PROPERTIES

```

-----
DATE    WEIGHT VIS PV YP W.L. W.L. PH PF OIL SAND SOLID CAKE GEL  CONCENTRATIONS (PPM)
-----
CHLORIDE CALCIUM SALT TYPE MUD
-----

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*****
* ZACHRY 15E ID : 3637 *
* UNDESIGNATED AFE : *
* KUTZ CANYON EAST *
* SAN JUAN , NM OPERATED *
*****

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BIT RECORD

| DATE | BIT NO. | SERIAL NO. | SIZE | TYPE | JET SIZE | | | RPM | | BIT WEIGHT | | DRILLED | | CONDITIONS T B GAUGE | DEPTH IN HOLE |
|-------|---------|------------|-------|-------|----------|-----|-----|-----|-----|------------|-----|---------|-------|-------------------------|------------------|
| | | | | | 1 | 2 | 3 | 1 | 2 | 1 | 2 | FEET | HOURS | | |
| ----- | --- | ----- | ----- | ----- | --- | --- | --- | --- | --- | --- | --- | --- | --- | ----- | ----- |

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*****
* ZACHRY 15E ID : 3637 *
* UNDESIGNATED AFE : *
* KUTZ CANYON EAST *
* SAN JUAN , NM OPERATED *
*****

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HYDRAULICS

| DATE | PUMP NO. | STROKE LENGTH | SPM | LINER SIZE | GPM | ANNULAR VELOCITIES DRILL PIPE COLLAR | JET VEL | SURF.PRESS (PSI) | BIT HYD H.P. |
|------|-------------|------------------|-----|---------------|-----|---|------------|---------------------|-----------------|
|------|-------------|------------------|-----|---------------|-----|---|------------|---------------------|-----------------|

```

*****
*  ZACHRY 15E                      ID : 3637 *
*  UNDESIGNATED                    AFE :      *
*  KUTZ CANYON EAST                *
*  SAN JUAN      , NM              OPERATED *
*****

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DEVIATION RECORD

| | | VERT. DEVIATION | DIRECTION | COORDINATES | | BOTTOM HOLE |
|-------------|-------|-------------------|-----------|-------------|---|--------------|
| SURVEY DATE | DEPTH | DEPTH (FROM VERT) | | 1 | 2 | MTD LOCATION |

```

*****
* ZACHRY 15E ID : 3637 *
* UNDESIGNATED AFE : *
* KUTZ CANYON EAST *
* SAN JUAN , NM OPERATED *
*****

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CASING

CEMENT

| SIZE | WEIGHT | GRADE | JOINT | COND | TOP | BOTTOM |
|-------|--------|-------|-------|------|-----|--------|
| 5 1/2 | 15.50 | K-55 | ST&C | | 0 | 6545 |

TUBING RECORD

| SIZE | WGHT | GRADE | JOINT | TOP | BOTTH | REMARK | PACKER | DEPTH | PACKER | REMARK |
|------|------|-------|-------|-----|-------|--------|--------|-------|--------|--------|
|------|------|-------|-------|-----|-------|--------|--------|-------|--------|--------|

```
* * * * *
* ZACHRY 15E ID : 3637 *
* UNDESIGNATED AFE : *
* KUTZ CANYON EAST *
* SAN JUAN , NM OPERATED *
* * * * *
```

WELL TEST RECORD

```
-----
DATE LEN. OIL GAS WATER PROD. TUBNG CASNG SITP CHK PUMF *STROKE* FLUID PUMP INPUT API
OF TEST HRS. BBL MCF BBL METH. PRESS PRESS PSI SIZ SIZE LEN /MIN LEVEL DEPTH GAS GRAV REMARKS
-----
```

```

*****
*   ZACHRY 15E                               ID : 3637 *
*   UNDESIGNATED                             AFE :      *
*   KUTZ CANYON EAST                         *
*   SAN JUAN      , NM                       OPERATED *
*****

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DRILL STEM TEST

Abstract

```
===== FLOW NUMBER 1 ===== FLOW NUMBER 2 =====
```

```

HYDROSTATIC FINAL          INIT FINL SHUT --TIME-- INIT FINL SHUT --TIME--
PRESSURE  SHUT -CHAMBER- FLOW FLOW IN      SHUT FLOW FLOW IN      SHUT
INITL FINAL IN  GAS  OIL PRES PRES PRES FLOW IN  PRES PRES PRES FLOW IN

```

| DATE | TEST | BLANKET |
|---------|-------------|---------|
| OF TEST | NO INTERVAL | FLUID |

 * ZACHRY 15E ID : 3637 *
 * UNDESIGNATED AFE : *
 * KUTZ CANYON EAST *
 * SAN JUAN , NM OPERATED *

DRILLING RECORD

| DATE | TOTAL DRILLED | | | DAILY MUD COST | MUD WT | MUD VIS | MUD COST | ***** CUMMULATIVE ***** | | | \$\$\$ CUMMULATIVE AVERAGE \$\$\$ | | | | | FORMATION | |
|---|---------------|------|------|----------------|--------|---------|----------|-------------------------|------|------|-----------------------------------|--------|----------|----------|-------|-----------|-------------------------|
| | DEPTH | FEET | HRS. | | | | | DAY | FEET | HRS. | COST | FT/HR. | COST/HR. | COST/HR. | DAY | | |
| ***** MISSING DATA ***** | | | | | | | | | | | | | | | | | |
| 5/27/82 | 6600 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 30 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| 5/28/82 | 6545 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 31 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| ***** MISSING DATA ***** | | | | | | | | | | | | | | | | | |
| 6/19/82 | 6545 | 0 | 0.0 | 0 | 236131 | 0.0 | 0 | 53 | 0 | 0 | 236131 | 0 | 0 | 0 | 0 | 4455 | |
| 6/20/82 | 6545 | 0 | 0.0 | 0 | 4154 | 0.0 | 0 | 54 | 0 | 0 | 240285 | 0 | 0 | 0 | 0 | 4449 | |
| ***** MISSING DATA ***** | | | | | | | | | | | | | | | | | |
| 6/22/82 | 6545 | 0 | 0.0 | 0 | 4660 | 0.0 | 0 | 56 | 0 | 0 | 244945 | 0 | 0 | 0 | 0 | 4374 | |
| 6/23/82 | 6545 | 0 | 0.0 | 0 | 4380 | 0.0 | 0 | 57 | 0 | 0 | 249325 | 0 | 0 | 0 | 0 | 4374 | |
| 6/24/82 | 6545 | 0 | 0.0 | 0 | 4500 | 0.0 | 0 | 58 | 0 | 0 | 253825 | 0 | 0 | 0 | 0 | 4376 | |
| 6/25/82 | 6545 | 0 | 0.0 | 0 | 4484 | 0.0 | 0 | 59 | 0 | 0 | 258309 | 0 | 0 | 0 | 0 | 4378 | |
| 6/26/82 | 6545 | 0 | 0.0 | 0 | 4484 | 0.0 | 0 | 60 | 0 | 0 | 262793 | 0 | 0 | 0 | 0 | 4379 | |
| 6/27/82 | 6545 | 0 | 0.0 | 0 | 4918 | 0.0 | 0 | 61 | 0 | 0 | 267711 | 0 | 0 | 0 | 0 | 4388 | |
| ***** MISSING DATA ***** | | | | | | | | | | | | | | | | | |
| 6/29/82 | 6545 | 0 | 0.0 | 0 | 5040 | 0.0 | 0 | 63 | 0 | 0 | 272751 | 0 | 0 | 0 | 0 | 4329 | |
| 6/30/82 | 6545 | 0 | 0.0 | 0 | 5410 | 0.0 | 0 | 64 | 0 | 0 | 278161 | 0 | 0 | 0 | 0 | 4346 | |
| 7/ 1/82 | 6545 | 0 | 0.0 | 0 | 4892 | 0.0 | 0 | 65 | 0 | 0 | 283053 | 0 | 0 | 0 | 0 | 4354 | |
| 7/ 2/82 | 6545 | 0 | 0.0 | 0 | 5352 | 0.0 | 0 | 66 | 0 | 0 | 288405 | 0 | 0 | 0 | 0 | 4369 | |
| 7/ 3/82 | 6269 | 0 | 0.0 | 0 | 5467 | 0.0 | 0 | 67 | 0 | 0 | 293872 | 0 | 0 | 0 | 0 | 4386 | |
| 7/ 4/82 | 6545 | 0 | 0.0 | 0 | 4431 | 0.0 | 0 | 68 | 0 | 0 | 298303 | 0 | 0 | 0 | 0 | 4386 | |
| 7/ 5/82 | 6268 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 69 | 0 | 0 | 298303 | 0 | 0 | 0 | 0 | 4323 | |
| 7/ 6/82 | 6268 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 70 | 0 | 0 | 298303 | 0 | 0 | 0 | 0 | 4261 | |
| **** REPEATED RECORD **** | | | | | | | | | | | | | | | | | |
| 7/ 6/82 | 6268 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 70 | 0 | 0 | 298303 | 0 | 0 | 0 | 0 | 4261 | |
| ***** | | | | | | | | | | | | | | | | | |
| ZWRITE unit 5 TTY: at 1530P+120 in MAIN. (PC 20635) | | | | | | | | | | | | | | | | | |
| ZOutput field width too small | | | | | | | | | | | | | | | | | |
| 50555 | 4272 | | | | | | | 7/ 8/82 | 6271 | 0 | 0.0 | 0 | 4884 | 0.0 | 0 | 0 | 72 2 6 308211 0 0 ***** |
| ZWRITE unit 5 TTY: at 1530P+120 in MAIN. (PC 20635) | | | | | | | | | | | | | | | | | |
| ZOutput field width too small | | | | | | | | | | | | | | | | | |
| 51369 | 4280 | | | | | | | | | | | | | | | | |
| 7/ 9/82 | 6545 | 0 | 0.0 | 0 | 4884 | 0.0 | 0 | 73 | 2 | 6 | 313095 | 0 | 0 | ***** | 52183 | 4288 | |
| 7/10/82 | 6545 | 0 | 0.0 | 0 | 5207 | 0.0 | 0 | 74 | 2 | 6 | 318302 | 0 | 0 | ***** | 53050 | 4301 | |
| 7/11/82 | 6545 | 0 | 0.0 | 0 | 5181 | 0.0 | 0 | 75 | 2 | 6 | 323483 | 0 | 0 | ***** | 53914 | 4313 | |
| ***** MISSING DATA ***** | | | | | | | | | | | | | | | | | |
| 7/13/82 | 6545 | 0 | 0.0 | 0 | 5377 | 0.0 | 0 | 77 | 2 | 6 | 328860 | 0 | 0 | ***** | 54810 | 4270 | |
| 7/14/82 | 6545 | 0 | 0.0 | 0 | 5144 | 0.0 | 0 | 78 | 2 | 6 | 334004 | 0 | 0 | ***** | 55667 | 4282 | |
| 7/15/82 | 6545 | 0 | 0.0 | 0 | 5484 | 0.0 | 0 | 79 | 2 | 6 | 339488 | 0 | 0 | ***** | 56581 | 4297 | |
| 7/16/82 | 6545 | 0 | 0.0 | 0 | 5184 | 0.0 | 0 | 80 | 2 | 6 | 344672 | 0 | 0 | ***** | 57445 | 4308 | |
| 7/17/82 | 6545 | 0 | 0.0 | 0 | 5355 | 0.0 | 0 | 81 | 2 | 6 | 350027 | 0 | 0 | ***** | 58338 | 4321 | |
| 7/18/82 | 6545 | 0 | 0.0 | 0 | 5100 | 0.0 | 0 | 82 | 2 | 6 | 355127 | 0 | 0 | ***** | 59188 | 4330 | |
| 7/19/82 | 6545 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 83 | 2 | 6 | 355127 | 0 | 0 | ***** | 59188 | 4278 | |
| 7/20/82 | 6545 | 0 | 0.0 | 0 | 5200 | 0.0 | 0 | 84 | 2 | 6 | 360327 | 0 | 0 | ***** | 60055 | 4289 | |
| 7/21/82 | 6545 | 0 | 0.0 | 0 | 5200 | 0.0 | 0 | 85 | 2 | 6 | 365527 | 0 | 0 | ***** | 60921 | 4300 | |

7/ 7/82

| | | | | | | | | | | | | | | | | | |
|--------------------------|------|---|-----|---|------|-----|---|---|----|---|---|--------|---|---|-------|-------|------|
| 7/23/82 | 6545 | 0 | 0.0 | 0 | 4267 | 0.0 | 0 | 0 | 87 | 2 | 6 | 374994 | 0 | 0 | ***** | 62499 | 4310 |
| 7/24/82 | 0 | 0 | 0.0 | 0 | 3952 | 0.0 | 0 | 0 | 88 | 2 | 6 | 378946 | 0 | 0 | ***** | 63158 | 4306 |
| 7/25/82 | 0 | 0 | 0.0 | 0 | 2349 | 0.0 | 0 | 0 | 89 | 2 | 6 | 381295 | 0 | 0 | ***** | 63549 | 4284 |
| ***** MISSING DATA ***** | | | | | | | | | | | | | | | | | |
| 7/27/82 | 0 | 0 | 0.0 | 0 | 4244 | 0.0 | 0 | 0 | 91 | 2 | 6 | 385539 | 0 | 0 | ***** | 64257 | 4236 |

 * ZACHRY 15E ID : 3637 *
 * UNDESIGNATED AFE : *
 * KUTZ CANYON EAST *
 * SAN JUAN , NM OPERATED *

DRILLING RECORD

| DATE | TOTAL DRILLED | | | DAILY MUD COST | MUD WT | MUD VIS | MUD COST | ***** CUMMULATIVE ***** | | | \$\$\$ CUMMULATIVE AVERAGE \$\$\$ | | | | | FORMATION |
|---------------------------|---------------|------|------|----------------|--------|---------|----------|-------------------------|------|------|-----------------------------------|--------|-----|-------|-----------|-----------|
| | DEPTH | FEET | HRS. | | | | | DAY | FEET | HRS. | COST | FT/HR. | DAY | FOOT | COST/HOUR | |
| 7/28/82 | 0 | 0 | 0.0 | 0 | 2500 | 0.0 | 0 | 92 | 2 | 6 | 388039 | 0 | 0 | ***** | 64673 | 4217 |
| 7/29/82 | 6545 | 0 | 0.0 | 0 | 2500 | 0.0 | 0 | 93 | 2 | 6 | 390539 | 0 | 0 | ***** | 65090 | 4199 |
| 7/30/82 | 6600 | 0 | 0.0 | 0 | 7779 | 0.0 | 0 | 94 | 2 | 6 | 398318 | 0 | 0 | ***** | 66386 | 4237 |
| 7/31/82 | 6545 | 0 | 0.0 | 0 | 2600 | 0.0 | 0 | 95 | 2 | 6 | 400918 | 0 | 0 | ***** | 66820 | 4220 |
| 8/ 1/82 | 6545 | 0 | 0.0 | 0 | 2600 | 0.0 | 0 | 96 | 2 | 6 | 403518 | 0 | 0 | ***** | 67253 | 4203 |
| 8/ 2/82 | 6600 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 97 | 2 | 6 | 403518 | 0 | 0 | ***** | 67253 | 4159 |
| 8/ 3/82 | 6600 | 0 | 0.0 | 0 | 2200 | 0.0 | 0 | 98 | 2 | 6 | 405718 | 0 | 0 | ***** | 67620 | 4139 |
| 8/ 4/82 | 6600 | 0 | 0.0 | 0 | 2600 | 0.0 | 0 | 99 | 2 | 6 | 408318 | 0 | 0 | ***** | 68053 | 4124 |
| 8/ 5/82 | 6600 | 0 | 0.0 | 0 | 2600 | 0.0 | 0 | 100 | 2 | 6 | 410918 | 0 | 0 | ***** | 68486 | 4109 |
| 8/ 6/82 | 6600 | 0 | 0.0 | 0 | 14500 | 0.0 | 0 | 101 | 2 | 6 | 425418 | 0 | 0 | ***** | 70903 | 4212 |
| 8/ 7/82 | 6600 | 0 | 0.0 | 0 | 2300 | 0.0 | 0 | 102 | 2 | 6 | 427718 | 0 | 0 | ***** | 71286 | 4193 |
| 8/ 8/82 | 6600 | 0 | 0.0 | 0 | 2300 | 0.0 | 0 | 103 | 2 | 6 | 430018 | 0 | 0 | ***** | 71670 | 4174 |
| 8/ 9/82 | 6600 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 104 | 2 | 6 | 430018 | 0 | 0 | ***** | 71670 | 4134 |
| 8/10/82 | 6600 | 0 | 0.0 | 0 | 2300 | 0.0 | 0 | 105 | 2 | 6 | 432318 | 0 | 0 | ***** | 72053 | 4117 |
| 8/11/82 | 6600 | 0 | 0.0 | 0 | 2600 | 0.0 | 0 | 106 | 2 | 6 | 434918 | 0 | 0 | ***** | 72486 | 4103 |
| 8/12/82 | 6600 | 0 | 0.0 | 0 | 1856 | 0.0 | 0 | 107 | 2 | 6 | 436774 | 0 | 0 | ***** | 72796 | 4082 |
| 8/13/82 | 6600 | 0 | 0.0 | 0 | 2800 | 0.0 | 0 | 108 | 2 | 6 | 439574 | 0 | 0 | ***** | 73262 | 4070 |
| 8/14/82 | 6600 | 0 | 0.0 | 0 | 6600 | 0.0 | 0 | 109 | 2 | 6 | 446174 | 0 | 0 | ***** | 74362 | 4093 |
| **** REPEATED RECORD **** | | | | | | | | | | | | | | | | |
| 8/14/82 | 6600 | 0 | 0.0 | 0 | 2500 | 0.0 | 0 | 109 | 2 | 6 | 448674 | 0 | 0 | ***** | 74779 | 4116 |
| 8/15/82 | 6600 | 0 | 0.0 | 0 | 2500 | 0.0 | 0 | 110 | 2 | 6 | 451174 | 0 | 0 | ***** | 75196 | 4101 |
| **** REPEATED RECORD **** | | | | | | | | | | | | | | | | |
| 8/15/82 | 6600 | 0 | 0.0 | 0 | 2500 | 0.0 | 0 | 110 | 2 | 6 | 453674 | 0 | 0 | ***** | 75612 | 4124 |
| 8/16/82 | 6600 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 111 | 2 | 6 | 453674 | 0 | 0 | ***** | 75612 | 4087 |
| 8/17/82 | 6600 | 0 | 0.0 | 0 | 2500 | 0.0 | 0 | 112 | 2 | 6 | 456174 | 0 | 0 | ***** | 76029 | 4072 |
| 8/18/82 | 6600 | 0 | 0.0 | 0 | 2500 | 0.0 | 0 | 113 | 2 | 6 | 458674 | 0 | 0 | ***** | 76446 | 4059 |
| 8/19/82 | 6600 | 0 | 0.0 | 0 | 2500 | 0.0 | 0 | 114 | 2 | 6 | 461174 | 0 | 0 | ***** | 76862 | 4045 |
| 8/20/82 | 6600 | 0 | 0.0 | 0 | 2100 | 0.0 | 0 | 115 | 2 | 6 | 463274 | 0 | 0 | ***** | 77212 | 4028 |
| 8/21/82 | 6600 | 0 | 0.0 | 0 | 1700 | 0.0 | 0 | 116 | 2 | 6 | 464974 | 0 | 0 | ***** | 77496 | 4008 |
| ***** MISSING DATA ***** | | | | | | | | | | | | | | | | |
| 8/24/82 | 6600 | 0 | 0.0 | 0 | 0 | 0.0 | 0 | 119 | 2 | 6 | 464974 | 0 | 0 | ***** | 77496 | 3907 |

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* * * * *
* ZACHRY 15E ID : 3637 *
* UNDESIGNATED AFE : *
* KUTZ CANYON EAST *
* SAN JUAN , NM OPERATED *
* * * * *

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REMARKS

***** 4/20/1982 *****

- * RIGGED UP AZTEC WELL SERVICE RIG #89 TO PULL RODS & CHANGE OUT PUMP. RU AZTEC WELL SERV RIG 89 TO PULL RODS & CHANGE OUT PUMP. PULLED 20,000 PSI. RODS PARAFFINED OFF. IDOT OILED ANNULUS W/40 BBL TO FREE RODS. WORKED RODS TO FREE THEM. PUT 35 BBL MORE OIL DOWN ANNULUS & RODS SEEMED FREE. PULLED 18,000 PSI ON RODS, BUT DID NOT COME LOOSE. PUMPED HOT OIL IN TBG TO SEE IF PUMP WAS UNSEATED & IF SO TO FREE UP RODS. PRESS UP TO 600 PSI. PRESS HELD. DECIDED TO STRIP WELL. BACKED OFF ON RODS. PULLED 4 RODS. CALLED WIRELINE SERVICE TO SET CHOKE IN DAKOTA STRING. SET CHOKE AT 1000', BLEW DOWN, PULLED WELLHEAD & PUT ON BOP. SDON.

***** 4/21/1982 *****

- * STRIPPING RODS. STRIPPING RODS. 37 JTS 2-1/16" OUT OF HOLE & BACKING OFF ON RODS. TBG JUMPED, SUB PARTED. PULLED 2 JTS TBG. TOTAL 39 JTS 2-1/16" & 60 RODS OUT OF HOLE. SHUT DOWN AND PREPARED TO FISH TUBING SUB RODS. USED 12 BBL OIL TO KEEP WELL DEAD.

***** 4/22/1982 *****

- * REMOVED BLOWOUT PREVENTOR. PUT ON WELLHEAD TO PULL CHOKE FROM LONG
- * STRING & SET BLANKING PLUG IN F NIPPLE. COULD NOT GET PLUG TO SET &
- * COULD NOT RETRIEVE IT. SHUT DOWN OVERNIGHT. REMOVED BOP. PUT ON WELLHEAD TO PULL CHOKE FROM LONG STRING & SET BLANKING PLUG IN F NIPPLE. COULD NOT GET PLUG TO SET & COULD NOT RETRIEVE IT. SET BAKER PLUG IN SLIDING SLEEVE & BLEW DOWN LONG STRING. PULLED WELLHEAD. COLDN'T UNSEAT DONUT. SDON. PUT WELLHEAD BACK ON.

***** 4/23/1982 *****

- * REMOVED WELLHEAD. PULLED 42000 PSI ON LONG STRING. TENSION ON LONG
- * STRING MADE IT IMPOSSIBLE TO REMOVE DONUT. CALLED HOMCO TO CUT LONG
- * STRING. RU FISHING TOOLS TO FISH TUBING. WENT IN & GOT FISH AT
- * AT 1776'. SHUT DOWN OVERNIGHT. REMOVED WELLHEAD. PULLED 42000 PSI ON LONG STRING. TENSION ON LONG STRING MADE IT IMPOSSIBLE TO REMOVE DONUT. CALLED HOMCO TO CUT LONG STRING. PLANNED TO MAKE CUT AT 6000 BUT COULD ONLY GET TO 4564. LOAD TBG W/FLUID & CUT OFF AT 4564'. PULLED 4564 2-1/16" & STOOD IN DERRICK. DOTCO RU FISHING TOOLS TO FISH 2-1/16" TBG. WENT IN & GOT FISH AT 1776. PULLED 40000 PSI & DROPPED TO 24000 PSI. SDON.

***** 4/24/1982 *****

- * PULLED OUT OF HOLE WITH FISH. LAYED DOWN 73 JTS TUBING. RIGGED UP
- * TO GO IN TO GET RODS. SHUT DOWN OVERNIGHT. POH W/FISH. LD 73 JTS 2-1/16" TBG. NO RODS. RU TO GO IN TO GET RODS. GOT ON FISH & PULLED 32 RODS. WENT BACK IN & PULLED 16 RODS. SDON. PUMPED 57 BBL OIL TO KILL WELL.

 * ZACHRY 15E ID : 3637 *
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 * SAN JUAN , NM OPERATED *

REMARKS

***** 4/24/1982 ***** (CONTINUED)

***** 4/26/1982 *****

* WENT IN HOLE WITH FISHING TOOL FOR RODS. PULLED 33 RODS & A PIECE.
 * BODY BREAK. RIGGED UP FISHING TOOL TO CATCH TUBING. WENT IN HOLE
 * BUT COULD NOT GET ON TUBING TO MUCH ROD ABOVE TUBING. SHUT DOWN
 * OVERNIGHT.
 * W/ FISHING TOOL FOR RODS. PULLED 33 RODS & A PIECE. BODY BREAK.
 * RU FISHING TOOL TO CATCH TBG. W/ HOLE BUT COULDN'T GET ON TBG TO
 * MUCH ROD ABOVE TBG. CAME OUT & CHANGED TOOLS TO GO IN & SWALLOW RODS
 * & TRY TO GET ON TBG. SDON W/66 JTS 2-1/16" & APPROX 100 RODS IN HOLE.
 * FISHING AT 4061' W/OVERSHOT.

***** 4/28/1982 *****

* TRIPPED OUT OF HOLE WITH WORK STRING & FISHING TOOLS. HAD SHORT
 * COILED PIECE OF 8-5/8" ROD. TRIPPED BACK IN HOLE W/SAME FISHING
 * TOOL. TAGGED TOP OF FISH AT 4043'. COULD NOT GET ON FISH. TRIPPED
 * OUT OF HOLE. RAN IN HOLE W/IMPRESSION BLOCK. TRIPPED OUT WITH
 * BLOCK & SHUT DOWN OVERNIGHT.
 * TOOK W/WORK STRING & FISHING TOOLS. HAD SHORT COILED PIECE OF 8-5/8"
 * ROD. TRIPPED BACK IN HOLE W/SAME FISHING TOOL. TAGGED TOP OF FISH
 * AT 4043'. COULD NOT GET ON FISH. TOH, R/ H W/IMPRESSION BLOCK. TOH
 * W/BLOCK & SDON.

***** 4/29/1982 *****

* TRIPPED IN HOLE W/3 STANDS DRILL COLLARS, ACCELERATOR, & WORKING
 * STRING. TAGGED FISH AT 4045'. TRIPPED OUT OF HOLE, NO FISH.
 * TIH W/3-5/16" BOX TAP W/JARS, 3 STDS DC, ACCELERATOR, & WORKING
 * STRING. TAGGED FISH AT 4045'. TOH, NO FISH. PUT ON ROTARY SHOE IN
 * PLACE OF BOX TAP. TIH TO TRY TO MILL FISHING NECK ON FISH. GAINED
 * 2' HOLE. TOH, REPLACED ROTARY SHOE WITH QULO SOCKET W/7 JTS 2-3/8"
 * SHOVE SOCKET IN WORK STRING. TIH & TRIED TO GET ON FISH. DID NOT
 * SEEM TO PU ANY WT. SDON.

***** 4/30/1982 *****

* PUMPED 35 BBL OIL IN TO KILL WELL. PULL OUT OF HOLE WITH NO FISH.
 * LAYED DOWN CLULOW SOCKET & DRILL COLLARS. PICK UP BOX TAP, WENT IN
 * SET DOWN ON FISH & TURNED TO PICK UP ON FISH. PULL OUT OF HOLE W/TAP
 * RECOVERED SHORT PIECE BALLED ROD. LAYED DOWN SOCKET. PICK UP ROTARY
 * SHOE 2/7' PIPE PUP & TRIPPED IN HOLE. TAGGED FISH AT 4050'. MILLED
 * ON FISH. SHUT DOWN OVERNIGHT.
 * PMP 35 BBL OIL IN TO KILL WELL. POH W/NO FISH. LD CLULOW SOCKET &
 * DC. PU BOX TAP, WENT IN, SET DOWN ON FISH & TURNED TO PU ON FISH.
 * POH W/TAP. REC SHORT PIECE BALLED ROD. LD SOCKET. PU ROTARY SHOE
 * W/7' PIPE PUP & TIH. TAGGED FISH 4050'. MILLED ON FISH. SDON.

***** 5/ 1/1982 *****

* PULL OUT OF HOLE WITH ROTARY SHOE. HAD PIECES OF COILED ROD W/BOX.

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* ZACHRY 15E ID : 3637 *
* UNDESIGNATED AFE : *
* KUTZ CANYON EAST *
* SAN JUAN , NM OPERATED *
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REMARKS

***** 5/ 1/1982 ***** (CONTINUED)

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* TRIP IN HOLE & START MILLING OVER. MADE NO HOLE.
  POH W/ROTARY SHOE. HAD PIECES OF COILED ROD W/BOX. TOTAL RODS OUT
  132 + PIECE. LD TOOLS. PU OVERSHOT W/GRAPPLE. TIH, TAGGED FISH,
  POH, NO FISH. LDRAPPLE. PU ROTARY SHOE & PIPE PUP. TIH & START
  MILLING OVER. MILLED 3 HRS. MADE NO HOLE. SDON.

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***** 5/ 2/1982 *****

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* RAN MAGNET ON SAND LINE. CAUGH FISH ON 3 RUNS, 4TH NO FISH. PICKED
* UP CENTER SPEAR. TRIP IN, CAUGHT FISH.
  POH W/ROTARY SHOE. NO FISH. LD TOOL. RAN MAGNET ON SAND LINE.
  3 RUNS EACH CAUGHT FISH. 4TH RUN, NO FISH. ROD PIECES OUT 23'. PU
  CENTER SPEAR. TIH, CAUGHT FISH. PULLED 3000 PSI OVER WT FOR 12'
  & LOST WEIGHT. TOOH. HAD 24' COILED ROD. TOP OF FISH 4062'.
  SDON.

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***** 5/ 3/1982 *****

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* SHUT DOWN FOR SUNDAY.
  SD FOR SUNDAY.

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***** 5/ 4/1982 *****

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* FISHING FOR PRODUCTION STRINGS & RODS. RECOVERED 1 COILED ROD.
* SHUT DOWN OVERNIGHT.
  PU FISHING TOOLS, RIH, CAUGHT FISH, PULLED 7000# OVERWEIGHT, LOST WT
  POOH, CAUGHT 1 COILED ROD, CHANGE OUT TOOLS, RIH, POOH, NO FISH,
  CHANGED TOOLS, RIH, POOH, NO FISH. SDON.

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***** 5/ 5/1982 *****

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* FISHING FOR PRODUCTION STRINGS. RECOVERED 5' OF 1/2 ROD, NOW
* MILLING OVER. SHUT DOWN OVERNIGHT.
  PUMPED 25 BBL OIL TO KILL WELL, RIH W/CENTER SPEAR LATCH TOOL, CAUGHT
  FISH, PULLED 12000# OVERWEIGHT, LOST WEIGHT. POOH, REC 5'-1/2 ROD
  MADE TRIP W/SAME TOOL, NO REC. LD TOOL, PU ROTARY SHOE, RIH & MILLED
  10'. SDON.

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***** 5/ 6/1982 *****

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* FISHING FOR PRODUCTION STRINGS, NO RECOVERY. SHUT DOWN TO PLAN
* FUTURE WORK.
  POOH W/ROTARY SHOE, NO RECOVERY. SD TO PLAN FUTURE WORK.

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***** 5/ 7/1982 *****

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* FISHING FOR PRODUCTION STRINGS. RECOVERED APPROX 1 ROD. SHUT DOWN
* OVERNIGHT.
  PU ROTARY SHOE, 2 JTS WD PIPE, DC, & JARS. RIH, TAG FISH @ 4074'.
  MILLED 5 HRS MADE 59', POOH, REC APPROX 1 ROD TOP OF FISH 4133. SDON.

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***** 5/ 8/1982 *****

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* FISHING FOR PRODUCTION STRINGS.
  RIH W/SAME FISHING STRING, TRIP TO CHANGE SHOE & GRAPPLE, TRIP, NO

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* ZACHRY 15E ID : 3637 *
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REMARKS

***** 5/ 8/1982 ***** (CONTINUED)

RECOVERY. CHANGE TO CTR SPEAR, TRIP W/NO REC. RIH W/WASHPipe, DRILL
2 HR, NO REC, SDON.

***** 5/ 9/1982 *****

* FISHING FOR PRODUCTION STRINGS, RECOVER 1 JT TUBING & 6 RODS. SHUT
* DOWN OVERNIGHT.
RIH W/NEW ROTARY SHOE, MILL 1-1/2 HR, MADE 67', POOH, REC PCS OF ROD,
LD PIPE & RUN MAGNET, NO REC. RIH W/2-5/16" GRAPPLE & LIP GUIDE, TAG
FISH @ 4138, PULL 26000# OVER WT, TRIP JARS, LOST WT. POOH & REC 1
JT 2-1/16 TBG & 6 RODS. TOP OF FISH 4170. SDON.

***** 5/10/1982 *****

* SHUT DOWN FOR SUNDAY.
SD FOR SUNDAY.

***** 5/11/1982 *****

* FISHING FOR PRODUCTION STRINGS, RECOVER 13 JTS 2-1/16 TBG W/RODS.
RIH W/FISHING STRING, CAUGHT FISH @ 4170, PULLED & JARRED ON FISH @
HR. POOH. REC 13 JTS 2-1/16 TBG W/RODS.

***** 5/12/1982 *****

* FISHING FOR PRODUCTION STRINGS. RECOVER 52 JTS 2-1/16" TBG W/RODS
* AND PUMP. MILLING OVER DAKOTA STRING AT 4608. SHUT DOWN OVERNIGHT.
POOH & LD 52 JTS 2-1/16" TBG W/RODS & PUMP. RIH W/OVERSHOT & GRAPPLE
ON 2-3/8" TBG. TAG FISH @ 4572, COULD NOT GET OVER. POOH & PU WASH-
PIPE, RIH, TAGGED JUNK & MILLED OVER TO 4608. SDON.

***** 5/13/1982 *****

* FISHING PRODUCTION STRING, RECOVER 29 JTS 2-1/16 TUBING. SHUT DOWN
* OVERNIGHT.
TOOH W/WORK STRING & TOOLS. NO JUNK REC. TIH W/GRAPPLE & 2-3/8 TBG.
GOT ON DAKOTA TBG & BACKED OFF. WELL STARTED KICKING W/52 STDs OUT
HOLE. PMP 55 BBL 2% KCL WTR TO KILL WELL. TOH & LD 29 JT 2-1/16 TBG
& PIECE. SDON.

***** 5/14/1982 *****

* FISHING FOR DAKOTA PRODUCTION STRING. RECOVERED 2 JTS 2-1/16 TBG.
* SHUT DOWN OVERNIGHT
TIH W/GUIDE SHOE & GRAPPLE. GOT ON FISH & BACKED OFF 2-1/16 TBG. POH
& LD 2 JT TBG. TIH & TRIED TO BACK OFF TBG. COULD NOT BACK OFF.
PREP TO RUN STRING SHOT. SDON.

***** 5/15/1982 *****

* FISHING FOR DAKOTA PRODUCTION STRING. RECOVERED 33' 2-1/16" TBG.
* SHUT DOWN OVERNIGHT.
RU GO WIRELINE & RAN FREE PT TO 6257'. TBG FREE, JET-CUT TBG @ 6245'.
TOOH & LD 13', TBG CMT OFF & 20 JT 2-1/16 TBG. TIH W/CTR SPEAR.
CAUGHT FISH, BUT COULD NOT HOLD. TOOH. SDON.

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* SAN JUAN , NM OPERATED *
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REMARKS

***** 5/15/1982 ***** (CONTINUED)

***** 5/16/1982 *****

* FISHING DAKOTA PRODUCTION STRING, NO RECOVERY. SHUT DOWN FOR WKEND.
RIH W/MILL SHOE, CUT LIP GUIDE, WASH PIPE W/CTR SPENT, DC, & JARS.
TOOH, HAD 6 PIECE OF TBG, TIH & TOH W/SAME TOOLS. NO FISH. SHUT
DOWN OVER WEEKEND.

***** 5/17/1982 *****

* SHUT DOWN FOR SUNDAY.
SD FOR SUNDAY.

***** 5/18/1982 *****

* TRIPPED IN & OUT OF HOLE TWICE. RECOVERED ONE SMALL PIECE OF ROD.
* FISHING AT 6062. SHUT DOWN OVERNIGHT.
FISHING AT 6062 FOR DAKOTA PROD STRING, REC ONE SMALL PIECE OF ROD.

***** 5/19/1982 *****

* FISHING FOR DAKOTA PRODUCTION STRING, RECOVER SMALL PIECE OF ROD.
TIH W/CUT-LIP SHOE. NO CMT RIGHT ON SHOE. WORKED STRING & TOOL.
TOOH. REC SMALL WADDED UP PIECE OF ROD. TIH W/MILL SHOE & 2 JT
WASH PIPE TO MILL OVER FISH.

***** 5/20/1982 *****

* MILLING OVER FISH.
MILLED OVER FISH FOR 8 HR. TOOH W/ROD PIECES TOTALLING ABOUT ONE ROD.
CHANGED ROTARY MILL SHOE. SDON.

***** 5/21/1982 *****

* MILLING OVER PRODUCTION STRING, RECOVERED SEVERAL PIECES OF RODS.
* SHUT DOWN OVERNIGHT.
TIH & MILLED OVER FISH FOR 7 HR. TOOH W/SEVERAL PIECES OF RODS. CHG
TO NEW MILL SHOE. SDON. FISHING AT 6150'.

***** 5/22/1982 *****

* MILLING OVER DAKOTA PRODUCTION STRING. RECOVERED APPROX 10
* FEET OF ROD WITH BOX. SHUT DOWN OVERNIGHT.
TIH & MILLED OVER FISH FOR 9 HR. TOOH W/PIECES OF ROD. HAD ABOUT
10' ROD W/ONE BOX. PUT ON NEW MILL SHOE & SDON.

***** 5/23/1982 *****

* MILLING OVER DAKOTA PRODUCTION STRING. RECOVERED APPROX 20' ROD
* PIECES. SHUT DOWN OVERNIGHT.
TIH W/MILL SHOE, 2 JT WASHPIPE, JARS, & 2" WORK STRING. MILLED OVER
FISH FOR 8 HR. MILLED TO 6342'. TOOH W/ABOUT 20' ROD PIECES. SDON.

***** 5/24/1982 *****

* SHUT DOWN FOR SUNDAY.
SD FOR SUNDAY.

***** 5/25/1982 *****

* REPAIRED RIG, MILLED OVER PRODUCTION STRING 1-1/2'. SHUT DOWN OVER-

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REMARKS

***** 5/25/1982 ***** (CONTINUED)

* NIGHT.
REPAIRS TO RIG. TIH & MILLED. MADE 1-1/2', SDON.

***** 5/26/1982 *****

* MILLED 8 HRS WITH TRIP FOR NEW MILLING SHOE. MADE 3'. SHUT DOWN
* OVERNIGHT.
MILLED 4 HR, POOH, CHG MILL SHOE, RIH, MILL 4 HR, SDON, MADE 3' HOLE.

***** 5/27/1982 *****

* KILLED WELL & MILLED 6 HR. NO RECOVERY, SHUT DOWN OVERNIGHT.
PUMP 75 BBL 2% KCL TO KILL WELL, MILLED OVER FISH 6 HR, SDON

***** 5/28/1982 *****

* SET BRIDGE PLUG & SQUEEZE CASING HOLE.
RUN BLUE JET 5-1/2 GUAGE RING TO TOP OF FISH @ 6244, OK, SET PKR RBP
@ 5913, PU RTTS ON 2-3/8 TBG & RIH TO 5830. SET PKR & TEST RBP TO
2500 PSI, OK, SPOT 10 GAL 20/40 SD ON TOP PKR, POOH 16 STDS TO 4890.
SET PKR & INJ @ RATE 3 BPM @ 800 PSI. MIX & PUMP 150 SX CLASS B CMT
W/2% CACL2 & 150 SX CLASS B CMT W/0.4% HALAD 9. DISPLACE BELOW PKR &
SLOW PUMPS TO 1/4 BPM. DISPL TO 4850, SI W/400 PSI STANDING PRESS.
SION.

***** 5/29/1982 *****

* DRILL CEMENT & CLEAN OUT HOLE TO 5533. SHUT DOWN OVERNIGHT.
RELEASE RTTS & POOH. RIH W/4-3/4 BIT & TAG CMT @ 5355. DRILL & CO
TO 5533, CIRC HOLE CLEAN & SDON.

***** 5/30/1982 *****

* DRILL OUT TO 5715, PRESSURE TEST CASING TO 2000 PSI FOR 15 MIN. NO
* LEAKS. PULL OUT OF HOLE TO 5380 & SHUT DOWN UNTIL TUESDAY A.M.
DRILL CMT 5533-5715, CIRC HOLE CLEAN, PRESS TEST TO 2000 PSI FOR 15
MIN - OK. POOH TO 5380 & SD FOR WKEND.

***** 5/31/1982 *****

* SHUT DOWN FOR WEEKEND.
SD FOR WKEND.

***** 6/ 1/1982 *****

* SHUT DOWN FOR WEEKEND.
SD FOR WKEND.

***** 6/ 2/1982 *****

* CLEAN OFF BRIDGE PLUG & RETRIEVE. RUN IN HOLE WITH WASHOVER PIPE TO
* 5000'. SHUT DOWN OVERNIGHT.
RIH W/BIT TO 5885 & CLEAN SD OFF RBP @ 5913, POOH & PU RETREIVING
TOOL. RIH & RET RBP. PU MILLSHOE & WD PIPE & 2 DC. RIH TO 5000.
SDON.

***** 6/ 3/1982 *****

* FISHING FOR PRODUCTION STRING, MILLED 7 HR. RECOVER 1-1/2' 2-1/16"

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* ZACHRY 1SE ID : 3637 *
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REMARKS

***** 6/ 3/1982 ***** (CONTINUED)

* TUBING, SHUT DOWN OVERNIGHT.
FIN RIH, MILL 7 HR, POOH, REC METAL CUTTING & APPROX 1-1/2' 2-1/16"
TBG, PU NEW SHOE & RIH TO 2000, SDON.

***** 6/ 4/1982 *****

* FISHING FOR PRODUCTION STRINGS.
MILL AND WASH 11 FT. IN 7 HRS (6251) POOH, RECOVER PART OF ROD, COULD
NOT GET FISH OUT OF WASHPIPE, SDON.

***** 6/ 5/1982 *****

* FISHING FOR PRODUCTION STRINGS, NO RECOVERY, SHUT DOWN OVERNIGHT.
REC APPROX 21' ROD FROM WASHPIPE, RIH W/NEW MILL TO 6246. MILL & WASH
TO 6252, POOH, NO REC. SDON.

***** 6/ 6/1982 *****

* FISHING FOR PRODUCTION STRING, NO RECOVERY, SHUT DOWN OVERNIGHT.
PU NEW MILL, RIH, MILL & WASH TO 6259 IN 7 HR. POOH, NO REC. SDON.

***** 6/ 7/1982 *****

* SHUT DOWN FOR SUNDAY.
SD FOR SUNDAY.

***** 6/ 8/1982 *****

* FISHING FOR PRODUCTION STRING, RECOVER 7' BALLED UP ROD W/ROD BOX.
* SHUT DOWN OVERNIGHT.
RIH W/NEW MILL SHOE, MILL & WASH TO 6260. POOH & REC 7' OF BALLED UP
ROD & BOX. SDON.

***** 6/ 9/1982 *****

* FISHING FOR PRODUCTION STRINGS, NO RECOVERY, SHUT DOWN OVERNIGHT.
RIH W/NEW SHOE, TAG FISH @ 6257, MILL & WASH TO 6261 IN 7.5 HR.
POOH W/NO RECOVERY. SDON.

***** 6/10/1982 *****

* MILLING & WASHING OVER FISH, SHUT DOWN OVERNIGHT.
RIH W/NEW SHOE, TAG @ 6259, MILL & WASHOVER TO 6262 IN 7 HR. SDON.

***** 6/11/1982 *****

* FISHING FOR PRODUCTION STRING, NO RECOVERY, SHUT DOWN OVERNIGHT.
RIH W/NEW SHOE, TAG FISH 6259', MILL 7 HRS. TO 6260', POOH, RIG BROKE
DOWN, SDON.

***** 6/12/1982 *****

* FISHING FOR PRODUCTION STRING, NO RECOVERY, SHUT DOWN OVERNIGHT.
FIN POOH, NO REC, RIH W/NEW SHOE, TAG FISH @ 6259, MILL 6-1/2 HRS.
POOH, NO REC. SDON.

***** 6/13/1982 *****

* MILLING OVER FISH, MADE 1' IN 7 HRS. SHUT DOWN FOR WEEKEND.
RIH W/NEW SHOE, TAG FISH @ 6257, MILL 7 HR, MADE 1'. POOH 3 STDs,
SD FOR WKEND.

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REMARKS

***** 6/13/1982 ***** (CONTINUED)

***** 6/14/1982 *****

* SHUT DOWN FOR SUNDAY.

***** 6/15/1982 *****

* MILLING ON FISH. SHUT DOWN OVERNIGHT.

RIH W/3 STDs, TAG FISH @ 6258, MILL 4 HR, MADE 1/2'. TRIP FOR NEW
SHOE, MILL ON LOOSE JUNK 4 HR TO 6259. SDON.

***** 6/16/1982 *****

* MILLING OVER FISH, MADE 2', SHUT DOWN OVERNIGHT.

RIH & TAG AT 6257. MILL 1' IN 3.5 HR, TRIP FOR NEW MILL, MILL 4.5 HR
TO 6259. SDON.

***** 6/17/1982 *****

* FISHING & MILLING, RECOVER 1 PIECE OF ROD, SHUT DOWN OVERNIGHT.

RIH 3 STDs, TAG @ 6257, MILL 4.5 HR TO 6258, TRIP FOR NEW SHOE & MAG-
NET, MILL 2.5 HR, POOH & REC 1 PIECE ROD & CUTTINGS. SDON.

***** 6/18/1982 *****

* MILLING ON JUNK, RECOVER 2 PIECES METAL WITH MAGNET, SHUT DOWN

* OVERNIGHT.

RIH W/MAGNET, HIT 2-3/8 COLLAR, POOH W/2 PIECES METAL. RIH W/NEW
MILL, TAG AT 6256, MILL 6.5 HR TO 6259. SDON.

***** 6/19/1982 *****

* MILLING OVER FISH, RECOVER 2' OF ROD. SHUT DOWN OVERNIGHT.

RIH & TAG @ 6259, MILL 3.5 HR, POOH & REC 2' OF ROD. RIH, MILL 1/2'
IN 4 HR. SDON.

***** 6/20/1982 *****

* MILLING ON FISH, RECOVER 4 PIECES METAL & MAGNET FULL OF CUTTINGS.

* SHUT DOWN OVERNIGHT.

RIH, MILL 3 HR TO 6260, RU BIGGER PUMP, MILL 2 HR TO 6260.5. POOH &
REC 4 PCS METAL & MAGNET FULL OF CUTTINGS. SDON.

***** 6/21/1982 *****

* SHUT DOWN FOR SUNDAY.

SD FOR SUNDAY.

***** 6/22/1982 *****

* MILLING ON FISH, RECOVER 29' ROD, 12' 2-1/16 TBG & MAGNET FULL OF

* CUTTINGS. SHUT DOWN OVERNIGHT.

PU NEW MILL SHOE & RIH, TAG @ 6260. MIX GEL & MILL 7 HR TO 6261.
POOH & REC 29' ROD, 12' 2-1/16 TBG W/LOTS OF METAL CUTTINGS. SDON.

***** 6/23/1982 *****

* MILLING OVER FISH, RECOVER 2 SMALL METAL PIECES & MAGNET FULL OF

* CUTTINGS.

RIH W/NEW MILL SHOE, TAG FILL @ 6260. MILL 6 HR TO 6262. POOH &
REC 2 SMALL PIECES METAL, MAGNET FULL OF CUTTINGS.

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REMARKS

***** 6/23/1982 ***** (CONTINUED)

***** 6/24/1982 *****

* MILLING AT 6262', RECOVERED 8 PIECES OF METAL,
RU NEW MILL SHOE & TIH. TAG BTM AT 6262', MILL 8 HR, REC 8 PIECES
METAL & METAL CUTTINGS. PULL UP & SDON.

***** 6/25/1982 *****

* MILLING & FISHING FOR PRODUCTION STRINGS. RECOVERED SEVERAL PIECES
* OF ROD BOX.
RIH W/TBG, MILL 2 HR, POOH, PU NEW SHOE, RIH. TAG AT 6265, MILL 3.5
HR, REC SEVERAL PCS ROD BOX. SDON.

***** 6/26/1982 *****

* MILLING OVER FISH TO 6267, LOST 30 BBLs WATER FROM PIT. SHUT DOWN
* OVERNIGHT.
RIH W/TBG & TAG AT 6266', MILL FOR 3 HRS. POOH, CHG MILL SHOE, RIH
MILL 3 HR TO 6267, LOST 30 BBLs WTR FROM PIT. POOH 1 JT, INSTALL
VALVE, SDON.

***** 6/27/1982 *****

* FISHING FOR PRODUCTION STRING, RECOVER 7' 2-1/16" TBG WITH SLIDING
* SLEEVE. SHUT DOWN OVERNIGHT.
OPEN VALVE, NO PRESS. RIH 1 JT, TAG AT 6267, NO FILL. POOH W/MILL
RIH W/OVERSHOT, BUMPER SUB & JARS. LATCH ONTO 2-1/16 SUB ON PKR,
UNSEAT, POOH. REC 7' PIECE 2-1/16 TBG W/SLIDING SLEEVE. PU OVERSHOT
FOR 2-3/8 TBG & RIH. COULD NOT GET OVER RETRIEVING SUB DUE TO FILL.
POOH 1 JT, INSTALL VALVE & SDON.

***** 6/28/1982 *****

* SHUT DOWN FOR SUNDAY.
SD FOR SUNDAY.

***** 6/29/1982 *****

* FISHING FOR DAKOTA PROD STRING. REC 3-1/2' ROD & 1 SMALL PIECE
* METAL. SHUT DOWN OVERNIGHT.
POOH W/OVERSHOT, REC 3-1/2' ROD. RU FLAT BOTTOM MAGNET, REC 1 SMALL
PIECE METAL. RU SHOE & MAGNET. RIH & TAG AT 6264. MILL 4 HR. SDON.

***** 6/30/1982 *****

* FISHING FOR DAKOTA PRODUCTION STRING, NO REC, SHUT DOWN OVERNIGHT.
POOH W/MILL, RUN IMPRESSION BLOCK, SHOWED RODS ON TOP RETRIEVING SOB.
RU SKIRTED FLAT BOTTOM MILL, RIH, SDON.

***** 7/ 1/1982 *****

* MILLING ON DAKOTA PRODUCTION STRING. SHUT DOWN OVERNIGHT.
RIH W/SKIRTED, FLAT BOTTOM MILL, TAG @ 6263'. MILL 8 HR TO 6265.
POOH W/WORN OUT MILL SKIRT. SDON.

***** 7/ 2/1982 *****

* MILL ON RODS AND METAL TO 6267'.

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REMARKS

***** 7/ 2/1982 ***** (CONTINUED)

TIH W/NEW MILL SKIRT & TAG AT 6265'. MILL FOR 7 HR TO 6267', REGAIN
FULL CIRC. TOOH W/WORN OUT MILL SKIRT. FLAT BOTTOM MILL NOT
AFFECTED. SDON.

***** 7/ 3/1982 *****

* TRIP IN HOLE WITH NEW MILL SKIRT AND TAG AT 6267'. MILL FOR 7 HOURS
* MILLING ON FISH, NO RECOVERY.
* TO 6269'. TRIP OUT OF HOLE WITH WORN-OUT MILL SKIRT. SHUT DOWN
* OVERNIGHT.
RIH W/NEW MILL, TAG @ 6267. MILL 7 HR TO 6269. POOH W/WORN OUT MILL
SDON.

***** 7/ 4/1982 *****

* RIG UP NEW MILL SHOE WITH MAGNET, AND TRIP IN HOLE. TAG AT 6268'.
* MILL ON FISH, NO RECOVERY, SHUT DOWN FOR HOLIDAY.
* (LOST 1'). MILL FOR 5 HOURS. SHUT DOWN OVERNIGHT.
RU NEW MILL W/MAGNET, RIH, TAG AT 6268, MILL 5 HR. SD FOR HOLIDAY.

***** 7/ 5/1982 *****

* SHUT DOWN OVER WEEKEND.
* SHUT DOWN FOR SUNDAY.
SD FOR SUNDAY.

***** 7/ 6/1982 *****

* SHUT DOWN OVER WEEKEND.
* SHUT DOWN FOR HOLIDAY.
SD FOR HOLIDAY.

***** 7/ 7/1982 *****

* MILLING ON PRODUCTION STRING, RECOVERED MAGNET FULL OF CUTTINGS.
RUN IN HOLE WITH MILL SHOE AND MILL FOR 3 HRS. TO 6270'. TOOH AND
REPLACE MILL SHOE (RECOVERED METAL CUTTINGS). TRIP IN HOLE WITH
NEW MILL SHOE AND MILL FOR 3 HRS. TO 6271'. SHUT DOWN OVERNIGHT.

***** 7/ 8/1982 *****

* MILLING ON PRODUCTIN STRING, RECOVERED PIECES OF ROD BOX AND ROD.
RIH AND MILL FOR 3 HRS. TO 6271'. TOOH W/OLD MILL SHOE. (RECOVERED
PIECES OF ROD BOX AND RODS). RU AND TIH W/NEW MILL SHOE. MILL FOR
3-1/2 HRS. TO 6272'. SDON.

***** 7/ 9/1982 *****

* MILLING ON PRODUCTION STRING - RECOVERED MAGNET FULL OF CUTTINGS AND
* ONE ROD BOX.
RIH W/TBG. AND TAG AT 6272'. MILL FOR 3-1/2 HRS. TOOH W/WORN-OUT
MILL SHOE. RECOVERED MAGNET FULL OF METAL. TIH W/NEW MILL SHOE
AND MILL FOR 2-1/2 HRS. TO 6273'. SDON.

***** 7/10/1982 *****

* MILL ON TOP SLIPS OF PACKER.

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REMARKS

***** 7/10/1982 ***** (CONTINUED)

* RUN IN WITH TUBING AND TAG AT 6315 FEET. MILL FOR 6 HOURS. RECOVERI
 * NG LARGE AMOUNTS OF RUBBER.
 RUN IN HOLE WITH TUBING TO 6273', MILL FOR 3-1/2 HRS. TO 6274',
 TRIP OUT OF HOLE WITH WORE OUT MILL SHOE. RECOVER PIECES OF METAL
 IN MAGNET AND PIECES OF RUBBER. TRIP IN HOLE WITH NEW MILL SHOE.
 SDON.

***** 7/11/1982 *****

* MILLING ON PRODUCTION PACKER, RECOVER LARGE AMOUNT OF RUBBER.

***** 7/12/1982 *****

* SHUT DOWN FOR SUNDAY.

***** 7/13/1982 *****

* MILLING ON PRODUCTION STRING. RECOVERED 4 1/2' OF ROD AND CUTTINGS.
 * SHUT DOWN OVER NIGHT.
 RUN IN HOLE WITH TUBING AND TAG AT 6315', MILL FOR 4 1/2 HRS. PACK
 ER FELL TO 6384'. MILL FOR 2 HRS. TRIP OUT OF HOLE WITH WORN OUT
 MILL SHOE. RECOVERED 4 1/2' OF ROD AND LARGE AMOUNT OF RUBBER CUTTI
 NGS. TRIP IN HOLE WITH NEW MILL SHOE. SHUT DOWN OVER NIGHT.

***** 7/14/1982 *****

* CONTINUE MILLING ON PACKER.
 RIH W/TBG. AND TAG AT 6384'. MILL FOR 8 HRS. TO 6386' RECOVERED
 LARGE AMOUNTS OF METAL AND PIECES OF RODS. TOOH W/WORN-OUT MILL
 SHOE. MAGNET FULL OF CUTTINGS. TIH W/NEW MILL SHOE. S.D.O.N.

***** 7/15/1982 *****

* MILLING ON SLIPS OF PACKER @ 6387'.
 RUN IN HOLE WITH TUBING AND TAG AT 6385' (LOST 1'). MILL FOR 10 HRS
 TO 6387'. RECOVERED PIECES OF METAL AND LARGE AMOUNTS OF RUBBER.
 SHUT DOWN OVER NIGHT.

***** 7/16/1982 *****

* MILLING ON SLIPS OF PACKER AT 6408 FEET.
 RUN IN HOLE WITH TUBING AND TAG AT 6387'. MILL FOR 5 HOURS. TRIP
 OUT OF HOLE WITH WORE OUT MILL SHOE. RECOVERED PIECES OF METAL IN
 MAGNET. TRIP IN HOLE WITH NEW MILL SHOE. MILL FOR 2 HRS. PACKER
 FELL TO 6408'. SHUT DOWN OVERNIGHT.

***** 7/17/1982 *****

* MILLING ON PACKER AT 6408 FEET.
 RUN IN HOLE WITH TUBING AND TAG AT 6408'. MILL 6 HRS. TO 6410'.
 TRIP OUT OF HOLE WITH WORE OUT MILL SHOE. REPAIR RIG. RIG UP OVER
 SHOT, BUMPER SUB, AND JARS. TRIP IN HOLE. SHUT DOWN OVERNIGHT.

***** 7/18/1982 *****

* MILLING ON PAKCER AT 6404 FEET.
 RUN IN HOLE WITH OVER SHOT. COULD NOT GET OVER RETRIEVING SUB ON

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REMARKS

***** 7/18/1982 ***** (CONTINUED)

PACKER. TRIP OUT OF HOLE WITH OVER SHOT. RIG UP SKIRTED FLAT
BOTTOM MILL AND TRIP IN HOLE. TAG AT 6404' MILL FOR 2 HRS.
SHUT DOWN OVERNIGHT.

***** 7/19/1982 *****

* SHUT DOWN OVER WEEKEND

***** 7/20/1982 *****

* MILL ON PACKER AT 6405 FEET.
RUN IN HOLE TO 6404'. MILL FOR 4 HRS. TO 6405'. TRIP OUT OF HOLE
WITH WORE OUT MILL. TRIP IN HOLE W/NEW SKIRTED MILL. MILL FOR 3 HRS
. SHUT DOWN OVERNIGHT.

***** 7/21/1982 *****

* MILL AND ATTEMPT TO FISH PACKER AT 6405 FEET, WILL ABANDON FISH AT
* 6405 FEET , FISH IS 9' BELOW BOTTOM DAKOTA PERFORATIONS.
MILL ON RETRIEVING SUB AT 6405' FOR 3 HRS. & PULL OUT OF HOLE, HAD
IMPRINT OF 2-3/8" COUPLING ON MILL. PICK UP OVER SHOT W/GRAPPLES
AND GUIDE SHOE W/KUT-RITE INSIDE SHOE. GO IN HOLE TO TOP OF FISH
AT 6405'. COULD NOT GET OVER FISH. SHUT DOWN OVERNIGHT.

***** 7/22/1982 *****

* ATTEMPT TO FISH PACKER AT 6405'. RECOVERED NOTHING.
TRIP OUT HOLE W/OVER SHOT. RECOVERED NOTHING. LAY DOWN COLLARS &
FISHING EQUIP. & RELEASE DOTCO. TRIP IN HOLE W/2-1/16" TBG. & TRIP
OUT OF HOLE LAYING DOWN 2-1/16" TBG. CLEAN PIT AND MIX 160 BBLs.
2% KCL WATER AND PREPARE TO CLEAN WELL.

***** 7/23/1982 *****

* SWAB WELL & PREPARE TO ACIDIZE.
RU HALLIBURTON "RTTS" PKR. TIH TO 6393. CIRC HOLE W/2% KCL WTR. PULL
UP TO 6235, SET PKR. RU SWAB REC WTR & MUD FROM WELL. RU HALLIBURTON
ACID. PUMP & PREP TO ACIDIZE WELL. SDON.

***** 7/24/1982 *****

* ACIDIZE WELL TO CLEAN UP.
SIP OVERNIGHT 150 PSI, RU SWAB LINE. RIH, TAG FL @ 900'. RU HALLI-
BURTON TO TBG & PUMP 1000 GAL 7-1/2% MCA ACID AT 2 BPM & MAX PSI 1300
PSI. ISIP 950 PSI, FLOW BACK TO ACID TANK 250 GAL OF FL. PUMP BACK
IN WELL & OVER DISPLACE 500 GAL AT 2 BPM & 1050 PSI. ISIP 400 PSI,
WAIT 1 HR, RU SWAB LINE. SWAB WELL BACK REC HEAVY AMT GAS CUT ACID
& WTR. SDON.

***** 7/25/1982 *****

* SWAB WELL TO PIT TO CLEAN UP.
SIP OVERNIGHT 150 PSI, RIH W/SWAB & TAG FL AT 5100', SWAB WELL TO PIT
MAKING HVY AMT WTR. SDON.

***** 7/26/1982 *****

* SHUT DOWN FOR SUNDAY.

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REMARKS

***** 7/26/1982 ***** (CONTINUED)

SD FOR SUNDAY.

***** 7/27/1982 *****

* ACIDIZE WELL TO CLEAN UP.

SIP OVER WKEND 550 PSI. OPEN TO PIT. BLEW DOWN IN 30 MIN REC SMALL AMT WTR. RU & SWAB WELL DRY IN 2 RUNS. TAG FL @ 5200'. WAIT 1.5 HR & SWAB WELL DRY IN 3 RUNS, TAG FL @ 5200, RU HALLIBURTON & ACIDIZE WELL WITH 1000 GAL 15% MCA ACID & 600 SCF PER BARREL. NITROGEN & 50-7/8" BALL SEALERS MAX RATE 3.8 BPM, AVG RATE 3.5 BPM. MAX PRESS 2700 PSI, AVG PRESS 2500 PSI. ISIP 1600 PSI, SAW 200 PSI INCR WHEN BALLS GOT TO FM. SI FOR 2 HR & OPEN TO PIT. FLOW TO PIT FOR 1 HR, SDON.

***** 7/28/1982 *****

* SWAB WELL TO CLEAN UP.

SIP OVERNIGHT 500 PSI, RU SWAB & TAG FL @ 5100'. SWAB WELL TO PIT TO CLEAN UP, WELL MAKING APPROX 4 BBL FL/HR W/SM SHOW OF GAS. RUN SWAB EACH HR. SDON.

***** 7/29/1982 *****

* SWAB WELL TO CLEAN UP.

SHUT IN PRESSURE OVER NIGHT - 580 PSI. RUN SWAB AND TAG FLUID AT 5600'. SWAB WELL TO PIT TO CLEAN UP. WELL MAKING APPROXIMATELY 1-1/2 BARRELS PER HOUR WITH SMALL SHOW OF GAS. RUN SWAB EACH HOUR. SHUT DOWN OVER NIGHT.

***** 7/30/1982 *****

* ACIDIZE WELL TO CLEAN UP.

SHUT IN PRESSURE OVER NIGHT 750 PSI. OPEN WELL TO PIT AND FLOW BACK FOR 1-1/2 HRS. RUN SWAB IN HOLE, TAG NO FLUID. RIG HALLIBURTON TO ACIDIZE WELL. ACIDIZE WELL WITH 3000 GAL 7-1/2% HCL AND 700 SCF NITROGEN PER BARREL AND 50 BALL SEALERS. MAXIMUM RATE 7.4 BPM, MINIMUM RATE 4.3 BPM. AVERAGE RATE 4 BPM. MAXIMUM PRESSURE 3000 PSI, MINIMUM PRESSURE 500 PSI. AVERAGE PRESSURE 2450 PSI. ISIP = 250 PSI SAW 400 PSI WHEN BALL HIT FORMATION. OPEN WELL UP TO PIT AFTER SHUT IN FOR 1-1/2 HRS. FLOW WELL OVERNIGHT WITH WATCHMAN.

***** 7/31/1982 *****

* SWAB WELL TO CLEAN UP.

RIG UP SWAB AND TAG FLUID AT 4000'. SWAB WELL TO PIT TO CLEAN UP. WELL MAKING 8 BBL PER HR AND SMALL AMOUNT OF GAS.

***** 8/ 1/1982 *****

* SWAB WELL TO PIT TO CLEAN UP.

SHUT IN PRESSURE OVER NIGHT 650 PSI. FLOW WELL TO PIT. RIG UP SWAB AND TAG FLUID AT 5100'. WELL MAKING 1-1/2 BBL FLUID PER HOUR & SMALL AMOUNT OF GAS. SHUT DOWN OVER NIGHT.

***** 8/ 2/1982 *****

* SHUT DOWN OVER WEEKEND.

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REMARKS

***** 8/ 2/1982 ***** (CONTINUED)

***** 8/ 3/1982 *****

- * SWAB WELL TO PIT TO CLEAN UP.
SHUT IN PRESSURE OVER WEEKEND - 950 PSI. FLOW WELL TO PIT FOR 2-1/2
HRS. SWAB WELL TO PIT, MAKING HEAVY MIST OF WATER AND SMALL AMOUNT
OF GAS. SHUT DOWN OVER NIGHT.

***** 8/ 4/1982 *****

- * FLOW WELL TO PIT TO CLEAN UP.
SHUT-IN PRESSURE OVERNIGHT 860 PSI. OPEN WELL TO PIT AND FLOW BACK
FOR 2 HRS. - MAKING GAS AND APPROX. 20 BBL WATER. WELL UNLOADED
EVERY 3 HRS. MAKING APPROX. 6 BBL WATER AND LARGE AMOUNT OF GAS.
SDON.

***** 8/ 5/1982 *****

- * FLOW WELL TO PIT TO CLEAN UP.
SHUT IN PRESSURE OVER NIGHT 770 PSI. OPEN WELL AND FLOW TO PIT FOR 2
HRS. MAKING GAS & APPROXIMATELY 20 BBL WATER. WELL UNLOADED EVERY 3
HRS. MAKING GAS & APPROXIMATELY 3 BBL WATER. SHUT DOWN OVER NIGHT.

***** 8/ 6/1982 *****

- * PULL TUBING AND PACKER OUT OF HOLE AND STIMULATE DAKOTA ZONE.
RELEASE PACKER @ 6236' & MOVE PACKER DOWN HOLE TO 6400'. SPOT 500
GAL OF 15% HCL FROM 6400' TO 5900'. POOH W/PACKER & TBG. HAL-
LIBURTON TREATED DAKOTA ZONE W/48,000 LBS OF 20-40 SMD & 30,000 GALS
OF 30 LB X-LINKED GELLED 1% KCL WTR. MAX INJECTION RATE 34 BPM.
AVERAGE INJECTION RATE 25 BPM. MAX PRESSURE 1600 PSI. AVERAGE PRES-
SURE 1400 PSI. SAND CONCENTRATION 1,2, & 3 LBS PER GALLON. ISIP
1350 PSI, 15 MIN, 640 PSI. SHUT WELL IN OVERNIGHT.

***** 8/ 7/1982 *****

- * SWAB WELL TO PIT TO CLEAN UP.
SHUT-IN PRESSURE OVERNIGHT - 0 PSI. TIH WITH 2-3/8" TUBING TO 6380'.
RIG UP & SWAB WELL TO PIT, MAKING APPROX. 4 BBL. WATER PER RUN.
SDON.

***** 8/ 8/1982 *****

- * SWAB WELL TO PIT TO CLEAN UP.
SHUT IN PRESSURE OVER NIGHT CASING 50 PSI, TUBING 0 PSI. SWAB WELL
TO PIT MAKING APPROXIMATELY 2 BBL PER RUN. SHUT DOWN OVER NIGHT.

***** 8/ 9/1982 *****

- * SHUT DOWN OVER WEEKEND.

***** 8/10/1982 *****

- * SWAB WELL TO PIT TO CLEAN UP.
SHUT IN PRESSURE OVER NIGHT 150 PSI ON CASING AND 0 PSI ON TUBING.
SWAB WELL TO PIT. WELL MAKING APPROX. 2 BBL. PER RUN. WELL MAKING
SMALL AMOUNT OF GAS, WATER AND SAND.

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REMARKS

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***** 8/18/1982 ***** (CONTINUED)
      SEATING NIPPLE AT 6361'. TUBING HANGER DID NOT HOLD PRESSURE.
      NIPPLE BACK UP AND SDON.
***** 8/19/1982 *****
      * LAND TUBING AND FLOW WELL TO PIT TO CLEAN UP.
      SHUT IN PRESSURE OVERNIGHT - 600 PSI ON CASING AND 375 PSI ON TUBING.
      FLOW WELL TO PIT FOR 2 HRS. LAND TUBING IN GULF-CO WELL HEAD. RIG
      UP SWAB AND TAG FLUID AT 6000'. RECOVERED 1 BBL WATER. WELL MAKING
      GAS AND FINE MIST OF WATER. SDON.
***** 8/20/1982 *****
      * BLOW AND CLEAN TO PIT THROUGH CHOKE.
      SHUT IN CASING PRESSURE 670 PSI - TBG PRESSURE 375 PSI - OPEN TO PIT
      THROUGH 1/2" CHOKE. WELL LIFTING FLUID AFTER 1/2 HR AND CONTINUE
      THROUGH 7 HRS. CSG PRESSURE 290 PSI - REDUCED CHOKE TO 3/8" AND LEFT
      OPEN TO PIT OVERNIGHT.
***** 8/21/1982 *****
      * WELL SHUT IN TO PRESSURE UP.
      NIPPLE UP WELLHEAD & OPEN THROUGH 3/8" CHOKE - RELEASE RIG AT 4:00
      P.M. 8-20-82. SHUT WELL IN TO PRESSURE UP OVER WEEKEND.
***** 8/24/1982 *****
      * WELL SHUT IN TO PRESSURE UP.
***** 8/31/1982 *****
      IN 4 HRS. ON 3/4" CHOKE, 30 PSI ON UNIT, FTP 77 PSI, GAS RATE 270

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REMARKS

***** 8/10/1982 ***** (CONTINUED)

***** 8/11/1982 *****

* SWAB WELL TO PIT TO CLEAN UP.
 SHUT IN PRESSURE OVER NIGHT. 300 PSI ON CASING, 50 PSI ON TUBING.
 SWAB WELL TO PIT. TAG FLUID AT 4200'. WELL MAKING APPROX. 4 BBLs.
 WATER PER RUN. SHUT DOWN OVERNIGHT.

***** 8/12/1982 *****

* SWABBING AND FLOWING TO PIT.
 SHUT IN PRESSURE LOSING 650 PSI - TUBING PRESSURE 25 PSI. OPEN WELL
 AND SWAB TO PIT - WELL KICKED OFF @ 1:30 PM 8-11-82: FLOW FOR 1 HR
 AND DIED - RAN SWAB ONE TIME AND WELL FLOWED UNTIL 5:00 PM - MAKING
 HEAVY VOLUME SAND, WATER AND GAS - SHUT IN OVER NIGHT.

***** 8/13/1982 *****

* SWAB WELL TO PIT TO CLEAN UP.
 SHUT IN PRESSURE OVERNIGHT - 750 PSI ON CASING AND 100 PSI ON TUBING.
 SWAB WELL DRY IN 3 RUNS. MAKING APPROX. 3 BBLs WATER PER RUN. WELL
 MAKING WATER, TRACE OF SAND, AND GAS. SHUT DOWN OVERNIGHT.

***** 8/14/1982 *****

* SWAB WELL TO PIT TO CLEAN UP.
 SHUT IN PRESSURE OVER NIGHT - 800 PSI ON CASING AND 300 ON TUBING.
 FLOW TO PIT FOR 2 HRS THEN LOGGED OFF. RIG UP, SWAB AND TAG FLUID
 AT 5000'. SWAB TUBING DRY IN 2 RUNS. WAITED 2 HRS AND RAN SWAB,
 BLOW APPROX 2 HRS BEFORE LOGGED OFF. MADE APPROX 3 BBLs WATER PER
 RUN. WELL MAKING SAND, GAS AND WATER. SHUT DOWN OVER NIGHT.

***** 8/15/1982 *****

* SWAB WELL TO PIT TO CLEAN UP.
 SHUT IN PRESSURE OVER NIGHT - 700 PSI ON CASING AND 250 ON TUBING.
 FLOW WELL TO PIT FOR 2 HRS. MAKE SWAB RUN EVERY 2 HRS. MAKING
 APPROX 3 BBLs WATER EVERY RUN. WELL MAKING SAND, GAS AND WATER.
 WELL WILL BLOW APPROX 1 HOUR AFTER SWAB RUN. SHUT DOWN OVER NIGHT.

***** 8/16/1982 *****

* SHUT DOWN FOR WEEKEND.

***** 8/17/1982 *****

* SWAB AND FLOW WELL TO PIT TO CLEAN UP.
 SHUT IN PRESSURE OVER WEEKEND - 800 PSI ON CASING AND 500 PSI ON TBG.
 FLOW WELL TO PIT FOR 5 HRS, RIG UP SWAB AND TAG FLUID AT 5500'. SWAB
 WELL BACK AND RECOVERED APROX 2 BBLs WATER. WELL MAKING GAS, WATER
 AND SMALL AMOUNT OF SAND. SDON.

***** 8/18/1982 *****

* FLOW WELL TO PIT TO TRY TO LAND TUBING.
 SHUT IN PRESSURE OVERNIGHT. 700 PSI ON CASING AND 400 PSI ON TUBING.
 FLOW TO WELL FOR 4 HRS TO PIT. PULL UP TO 6392' AND LAND TUBING.