

BEFORE THE NEW MEXICO OIL CONSERVATION DIVISION

APPLICATION OF ARCH PETROLEUM INC. FOR
APPROVAL OF A PILOT PRESSURE MAINTENANCE
PROJECT AND TO QUALIFY THE PROJECT FOR
THE RECOVERED OIL TAX RATE, LEA COUNTY,
NEW MEXICO.

Case No. 12756

APPLICATION

Arch Petroleum Inc. ("Arch") applies for an order approving a pilot pressure maintenance project, and qualifying the project for the recovered oil tax rate. In support thereof, Arch states:

1. Arch is the operator of Federal Oil and Gas Lease LC 030187 as to the Teague Paddock-Blinebry Pool. The lease covers, among other acreage, the E $\frac{1}{2}$ NE $\frac{1}{4}$ of Section 21 and the W $\frac{1}{2}$ NW $\frac{1}{4}$ of Section 22, Township 23 South, Range 37 East, N.M.P.M.

2. Arch proposes to institute a pilot pressure maintenance project on the above-described lease, designated the Teague Pilot Pressure Maintenance Project. Arch's address is P.O. Box 10340, Midland, Texas 79702 (Attention: Terry Gant).

3. Arch proposes to inject water into the Teague Paddock-Blinebry Pool through the C.E. Lamunyon Well No. 79, located 1700 feet from the north line and 10 feet from the east line (Unit H) of Section 21. The initial project area will comprise the E $\frac{1}{2}$ NE $\frac{1}{4}$ of Section 21 and the W $\frac{1}{2}$ NW $\frac{1}{4}$ of Section 22. A plat outlining the project area, and marking the locations of the initial injection and producing wells, is attached hereto as Exhibit A.

4. Arch requests that the Teague Pilot Pressure Maintenance Project be qualified for the recovered oil tax rate, pursuant to the Enhanced Oil Recovery Act (L. 1992, Ch. 38) and Division Rules.

Project data includes:

- (a) Number of initial producing wells: 4.
- (b) Number of initial injection wells: 1.
- (c) Capital cost of additional facilities: \$74,000.00.
- (d) Estimated total project cost: \$674,000.00.
- (e) Estimated total value of incremental production recovered from the project: \$1,750,000.00.
- (f) Anticipated injection commencement date: January 1, 2002.
- (g) Type of fluid injected: Produced water.
- (h) Anticipated injection volumes: 1500 BWPD maximum.

5. A Form C-108 for the injection well and project is attached hereto as Exhibit B.

WHEREFORE, Arch requests that the Division approve the injection application and the Teague Pilot Pressure Maintenance Project, including a provision allowing administrative approval for expansion of the project area, qualify the project as an enhanced oil recovery project, and certify the project for the recovered oil tax rate.

Respectfully submitted,


James Bruce
Post Office Box 1056
Santa Fe, New Mexico 87504
(505) 982-2043

Attorney for Arch Petroleum Inc.

VERIFICATION

State of Texas)
)
County of Midland)

Mark V. Kelley, being duly sworn upon his oath, deposes and states: He is a petroleum engineer employed by Arch Petroleum Inc., he is familiar with the matters set forth in the foregoing Application, and the statements therein are true and correct to the best of his knowledge.


Mark V. Kelley

SUBSCRIBED AND SWORN TO before me this 12th day of September, 2001 by Mark V. Kelley.


Notary Public

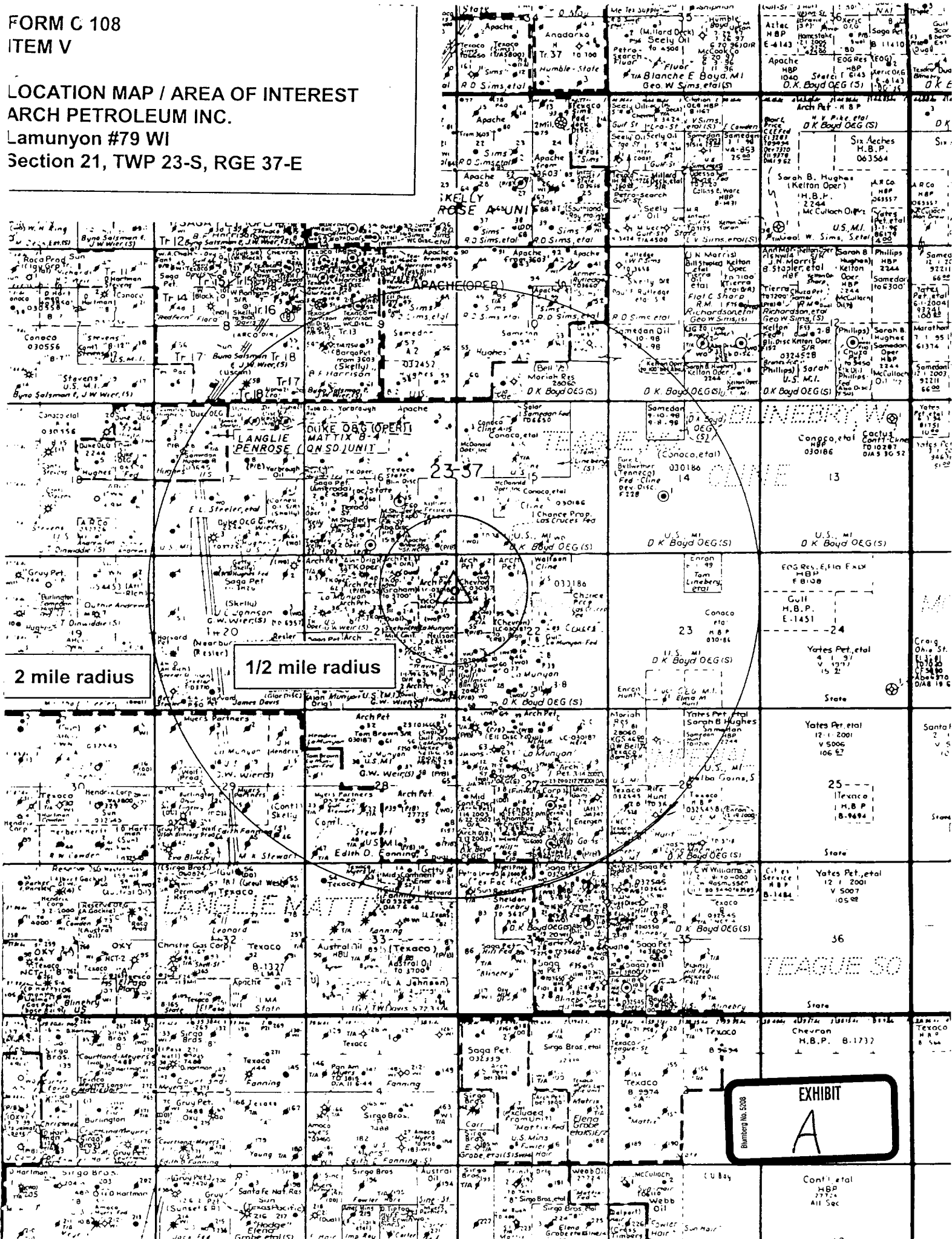
My Commission Expires:

9-30-04



FORM C 108
ITEM V

LOCATION MAP / AREA OF INTEREST
ARCH PETROLEUM INC.
Lamunyon #79 WI
Section 21, TWP 23-S, RGE 37-E



INITIAL OIL IN PLACE BY VOLUMETRIC METHOD(STB)

$$N = \frac{(7758)(\text{POROSITY})(1 - S_w)(\text{AC.FT.})}{B_o}$$

B_o

N= OIL IN PLACE IN STOCK TANK BARRELS (STB)

7758=NUMBER OF BBLS IN 1 ACRE FOOT

POROSITY=DECIMEL

S_w =WATER SATURATION AS A FRACTION OF THE PORE VOLUME(DECIMEL)

B_o =OIL FORMATION VOLUME FACTOR(RESERVOIR BBLS/STB)

$$N = \frac{(7758)(.12)(1 - .51)(723)(95)}{1.9}$$

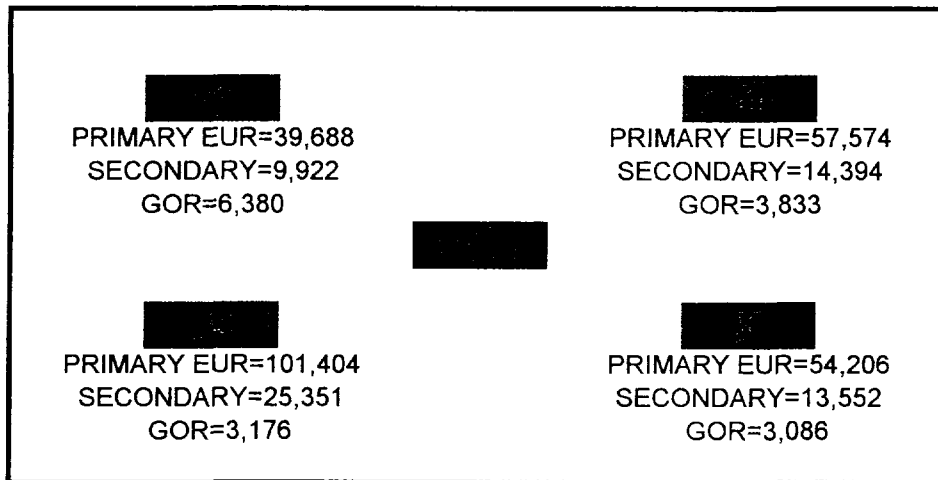
1.9

N=16 MILLION BARRELS OIL

ESTIMATED ULTIMATE PRIMARY RECOVERY=15% OR 2.4 MILLION BARRELS OIL

ESTIMATED ULTIMATE SECONDARY RECOVERY=15% OR 2.4 MILLION BARRELS OIL

PILOT AREA



ESTIMATED SECONDARY RECOVERY FROM PILOT

60,000 BARRELS OIL + 150 MMCFG



Case 12756

APPLICATION FOR AUTHORIZATION TO INJECT

- I. PURPOSE: _____ Secondary Recovery XX Pressure Maintenance _____ Disposal _____ Storage
Application qualifies for administrative approval? XX Yes _____ No
- II. OPERATOR: Arch Petroleum Inc.
ADDRESS: P. O. Box 10340, Midland, TX 79702-7340
CONTACT PARTY: Richard L. Wright PHONE: (915)685-8100
- III. WELL DATA: Complete the data required on the reverse side of this form for each well proposed for injection.
Additional sheets may be attached if necessary.
- IV. Is this an expansion of an existing project? _____ Yes XX No
If yes, give the Division order number authorizing the project: _____
- V. Attach a map that identifies all wells and leases within two miles of any proposed injection well with a one-half mile radius circle drawn around each proposed injection well. This circle identifies the well's area of review.
- VI. Attach a tabulation of data on all wells of public record within the area of review which penetrate the proposed injection zone. Such data shall include a description of each well's type, construction, date drilled, location, depth, record of completion, and a schematic of any plugged well illustrating all plugging detail.
- VII. Attach data on the proposed operation, including:
1. Proposed average and maximum daily rate and volume of fluids to be injected;
 2. Whether the system is open or closed;
 3. Proposed average and maximum injection pressure;
 4. Sources and an appropriate analysis of injection fluid and compatibility with the receiving formation if other than reinjected produced water; and,
 5. If injection is for disposal purposes into a zone not productive of oil or gas at or within one mile of the proposed well, attach a chemical analysis of the disposal zone formation water (may be measured or inferred from existing literature, studies, nearby wells, etc.).
- *VIII. Attach appropriate geologic data on the injection zone including appropriate lithologic detail, geologic name, thickness, and depth. Give the geologic name, and depth to bottom of all underground sources of drinking water (aquifers containing waters with total dissolved solids concentrations of 10,000 mg/l or less) overlying the proposed injection zone as well as any such sources known to be immediately underlying the injection interval.
- IX. Describe the proposed stimulation program, if any.
- *X. Attach appropriate logging and test data on the well. (If well logs have been filed with the Division, they need not be resubmitted).
- *XI. Attach a chemical analysis of fresh water from two or more fresh water wells (if available and producing) within one mile of any injection or disposal well showing location of wells and dates samples were taken.
- XII. Applicants for disposal wells must make an affirmative statement that they have examined available geologic and engineering data and find no evidence of open faults or any other hydrologic connection between the disposal zone and any underground sources of drinking water.
- XIII. Applicants must complete the "Proof of Notice" section on the reverse side of this form.
- XIV. Certification: I hereby certify that the information submitted with this application is true and correct to the best of my knowledge and belief.
- NAME: Mark V. Kelley TITLE: Sr. Petroleum Engineer
SIGNATURE: Mark V. Kelley DATE: 5/8/01
- * If the information required under Sections VI, VIII, X, and XI above has been previously submitted, it need not be resubmitted. Please show the date and circumstances of the earlier submittal: _____

DISTRIBUTION: Original and one copy to Santa Fe with one copy to the appropriate District Office



III. WELL DATA

- A. The following well data must be submitted for each injection well covered by this application. The data must be both in tabular and schematic form and shall include:

- (1) Lease name; Well No.; Location by Section, Township and Range; and footage location within the section.
- (2) Each casing string used with its size, setting depth, sacks of cement used, hole size, top of cement, and how such top was determined.
- (3) A description of the tubing to be used including its size, lining material, and setting depth.
- (4) The name, model, and setting depth of the packer used or a description of any other seal system or assembly used.

Division District Offices have supplies of Well Data Sheets which may be used or which may be used as models for this purpose. Applicants for several identical wells may submit a "typical data sheet" rather than submitting the data for each well.

- B. The following must be submitted for each injection well covered by this application. All items must be addressed for the initial well. Responses for additional wells need be shown only when different. Information shown on schematics need not be repeated.

- (1) The name of the injection formation and, if applicable, the field or pool name.
- (2) The injection interval and whether it is perforated or open-hole.
- (3) State if the well was drilled for injection or, if not, the original purpose of the well.
- (4) Give the depths of any other perforated intervals and detail on the sacks of cement or bridge plugs used to seal off such perforations.
- (5) Give the depth to and the name of the next higher and next lower oil or gas zone in the area of the well, if any.

XIV. PROOF OF NOTICE

All applicants must furnish proof that a copy of the application has been furnished, by certified or registered mail, to the owner of the surface of the land on which the well is to be located and to each leasehold operator within one-half mile of the well location.

Where an application is subject to administrative approval, a proof of publication must be submitted. Such proof shall consist of a copy of the legal advertisement which was published in the county in which the well is located. The contents of such advertisement must include:

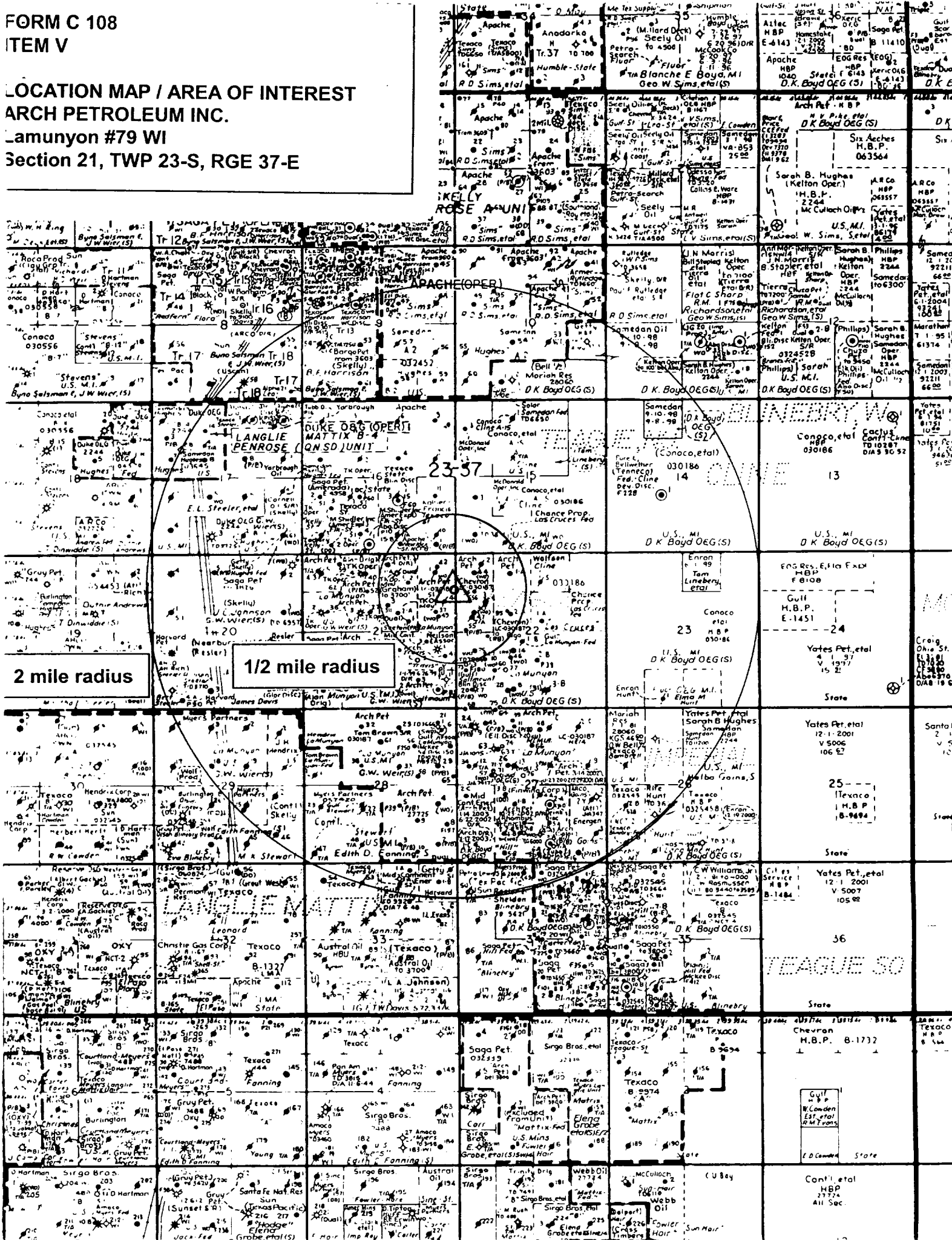
- (1) The name, address, phone number, and contact party for the applicant;
- (2) The intended purpose of the injection well; with the exact location of single wells or the Section, Township, and Range location of multiple wells;
- (3) The formation name and depth with expected maximum injection rates and pressures; and,
- (4) A notation that interested parties must file objections or requests for hearing with the Oil Conservation Division, 2040 South Pacheco, Santa Fe, New Mexico 87505, within 15 days.

NO ACTION WILL BE TAKEN ON THE APPLICATION UNTIL PROPER PROOF OF NOTICE HAS BEEN SUBMITTED.

NOTICE: Surface owners or offset operators must file any objections or requests for hearing of administrative applications within 15 days from the date this application was mailed to them.

lamunyon #79 WI

Section 21, TWP 23-S, RGE 37-E



FORM C-108

ITEM VI

WELL DATA - AREA OF REVIEW

- (1). Location: 330' FNL & 2310' FEL, Sec. 21, 23-S, 37-E, Lea County
Operator: Arch Pet.
Lease: Seeton Well No. 4
Well type: Oil XX Gas T.D. 5900'; PB 5847'
Date drilled: spud 3-01-00
Completion data: 8-5/8" @ 1126' w/765 sx, circ cmt; 5-1/2" @ 5900'
w/1630 sx, circ cmt; perf L/Paddock 5190'-5220'; A/1000 15%; F/74.5M#
16/30 sd

Plugged Date (diagram att.)
- (2). Location: 1750' FNL & 2310' FEL Sec 21, 23-S, 37-E, Lea County
Operator: Arch Pet.
Lease: Seeton Well No. 3
Well type: Oil XX Gas T.D. 5900'; PB: 5852'
Date drilled: spud 8-01-99
Completion data: 8-5/8" @ 1120' w/794 sx, circ cmt; 5-1/2" @
5900' w/1730 sx, circ cmt; DV @ 4132'; perf L/Paddock 5202'-17';
A/1000 15%; FWF/ 73M# 16/30 sd

Plugged Date (diagram att.)
- (3). Location: 990' FNL & 1650' FEL Sec 21, 23-S, 37-E, Lea County
Operator: Arch Pet. (Solar Oil Co.)
Lease: Seeton Well No. 2
Well type: Oil XX Gas T.D. 6400'; PB 5290'
Date drilled: 7-01-68
Completion data: 10-3/4" @ 800' w/575 sx, circ cmt; 7-5/8" @
6400' w/625 sx, TOC 3230' CBL; perf Tubb/Drinkard 6223'-6334' &
5999'-6186'; A/1000 & 1750; SWF/5M# & 31M#; 1968 perf Blinebry 5759'-
5911'; A/2250; F/48M#; perf Blinebry 5517'-5691'; A/2000; F/42.5M#;
perf Blinebry 5364'-5463'; A/1500; SWF/16M#; 7-1999, set CIRP @ 5300'; (over)
Plugged Date (diagram att.)

ITEM VI

WELL DATA - AREA OF REVIEW

- (4). Location: 2310' FML & 1650' FEL Sec. 21, 23-S, 37-E, Lea County
Operator: (Solar Oil Co.) Arch Pet.
Lease: Seeton Well No. 1
Well type: Oil XX Gas T.D. 6400'; PBD: 5300'
Date drilled: spud 7-01-68
Completion data: 9-5/8" @ 1053' w/400 sx, circ cnt; 7" @ 6400'
w/250 sx, TOC 4177', calc; perf Tubb/Drinkard 6198'-6339'; A/1500;
F/35M# 20/40 sd; perf Tubb/Drinkard 5989'-6172'; A/1500; F/35M# sd;
perf Blinebry 5723'-5880'; A/2000; F/57M# sd; perf Blinebry 5589'-5654';
A/1500; F/58M# sd; perf Blinebry 5345'-5541'; A/2000; plug back 7-99
CIBP @ 5300'; perf L/Paddock 5160'-5200'; A/1000; F/79M# 16/30 sd;
junk 6060'-6294', pkr and tbq pushed to 6060', 76' tbq, pkr and TP
Plugged Date (diagram att.)
- (5). Location: 460' FML & 660' FEL Sec. 21, 23-S, 37-E, Lea County
Operator: (Gulf Oil) Arch Pet.
Lease: C. E. LaMunyon Well No. 42
Well type: Oil XX Gas T.D. 6300'; PBD: 5340'
Date drilled: 6-68
Completion data: 8-5/8" @ 905' w/350 sx, circ; 5-1/2" @ 6300'
w/510 sx, TOC 3770', calc; perf Blinebry 5593'-5816'; A/5000; SWF/45M#
20/40 sd; perf Blinebry 5381'-5430'; A/2000; SWF/18M#; perf Blinebry
5369'-5862'; A/4100; SWF/250M# C02 foam; 8-1999, PB w/CIBP @ 5340'
perf L/Paddock 5175'-5206'; A/1000; SWF/76M# 16/30 sd; 9-30-99
KO CIBP @ 5340', push to 5769'

Plugged Date (diagram att.)
- (6). Location: 2150' FML & 550' FEL Sec 21, 23-S, 37-E, Lea County
Operator: Arch Pet.
Lease: C. E. LaMunyon Well No. 49
Well type: Oil XX Gas T.D. 7600'; PBD: 5930'
Date drilled: 7-79
Completion data: 8-5/8" @ 1117' w/500 sx, circ; 5-1/2" @ 7600'
w/2300 sx, circ (OV @ 3174'); perf Devonian 7544'-50'; A/1000; sq
w/125 sx; perf Devonian 7493'-96'; A/1500; sq w/100 sx; perf Dvn.
7434'-37', 7326'-30'; A/1500; set CR @ 7415', sq w/100sx; perf Tubb/
Drinkard 12-1982 6413'-80'; A/1000; perf Tubb/Drinkard 6383'-6507'; (over)
Plugged Date (diagram att.)

ITEM VI

WELL DATA - AREA OF REVIEW

(7). Location: 1300' FML & 560' FEL Sec. 21, 23-S, 37-E, Lea County
 Operator: Arch Pet.
 Lease: C. E. LaMunyon Well No. 51
 Well type: Oil XX Gas T.D. 6000'; PBD: 5260'
 Date drilled: spud 9-95
 Completion data: 8-5/8" @ 1075' w/550 sx, circ; 5-1/2" @ 6000' w/
1675 sx, circ cmt; perf Blinebry 5405'-5837'; A/2700; SWF/251M# 16/30
sd in CO2 foam; 11-1998 PB w/CIBP @ 5260'; perf 1/Paddock 5165'-5205';
A/1000; SWF/85M# 16/30 sd

Plugged Date (diagram att.)

(8). Location: 1980' FML & 660' FEL Sec 21, 23-S, 37-E, Lea County
 Operator: (Gulf Oil) Arch Petroleum
 Lease: C. E. LaMunyon Well No. 37
 Well type: Oil XX Gas T.D. 5900'; PBD: 5856'
 Date drilled: spud 5-6-68 comp 5-25-68
 Completion data: 8-5/8" @ 900' w/350 sx, circ; 5-1/2" @ 5890'
w/440 sx, TOC 3910' calc; perf Blinebry 5567'-5816'; A/5000; SWF/45M#
20/40 sd; perf Blinebry 5403'-5511'; A/3000; SWF/ 27M# 20/40 sd;
set CIBP 11-98 @ 5390'; perf U/Blinebry 5232'-5378'; A/5000; 1-95,
perf Blinebry 5797'-5407'; A/2000; F/65-50 CO2 foam and 250M# 16/30 sd

Plugged Date (diagram att.)

(9). Location: 1650' FSL & 990' FML Sec 22, 23-S, 37-E, Lea County
 Operator: (Gulf Oil) Arch Pet.
 Lease: C. E. LaMunyon Well No. 10
 Well type: Oil XX Gas T.D. 9475'; PBD: 7273'
 Date drilled: spud 5/49
 Completion data: 13-3/8" @ 305' w/300 sx, circ; 9-5/8" @ 2900'
w/ 1640 sx, TOC 885' TS; 7" @ 9311' w/800sx, TOC 4875'; TS
from McKee OH nat; 10-50 run 5" FJ liner, cemented; perf McKee 9363'-
9470' 10-59 OF/20,000 gal +10M# 8/12 sd; 10-67 sq csg lk 4315'-45'
w/50 sx, conv. to WIW; 5-77 1v Mod D @ 9195', set CR @ 9185', sq w/ (over)
 Plugged Date (diagram att.)

ITEM VI

WELL DATA - AREA OF REVIEW

(10). Location: 1980' FSL & 660' FWL Sec 22, 23-S, 37-E, Lea County
 Operator: (Gulf Oil) Arch Pet.
 Lease: C. E. LaMunyon Well No. 25
 Well type: Oil XX Gas T.D. 5950'; PBDT: 5922'
 Date drilled: 1-25-68
 Completion data: 8-5/8" @ 901' w/370 sx, circ; 5-1/2" @ 5947'
w/730 sx, TOC 2230', TS, DV tool @ 3623'; perf Blinebry 5437'-5735';
A/5M 7-1/2"; SWF/30M# 20/40 sd; perf Blinebry 5356'-5401'; A/2000;
SWF/18M# 20/40 sd; 6-94, F/50 qual CO2 foam and 213M# 16/30 sd

Plugged Date (diagram att.)

(11). Location: 1980' FS & WL Sec 22, 23-S, 37-E, Lea County
 Operator: (Gulf Oil) Arch Pet.
 Lease: C. E. LaMunyon Well No. 14
 Well type: Oil XX Gas T.D. 9575'; PBDT: 5348'
 Date drilled: 1950
 Completion data: 13-3/8" @ 296' w/300 sx, circ cmt; 9-5/8" @
2900' w/1625 sx, TOC 200', TS, DV tool @ 1100'; 7" @ 9579' w/975 sx,
TOC 3240'; perf McKee 9360'-9520', tight; PB and test Lang. Mat
3310'-3550', tight; cut and pull 7" to 3200' and 201' of 9-5/8"; P & A
2-6-51; re-enter 11-67, KO @ 2938' new 7-7/8" hole; TD 6300'; PBDT:
6265'; set 4-1/2" @ 6300' w/735 sx, DV @ 4302', TOC 2530', TS; perf
Blinebry 5395'-5742'; A/7M q1; SWF/30M# 20/40 sd; 9-99, tag fill
@ 5731'; CIBP @ 5348'; perf L/Paddock 5190'-5214; A/1000; SWF/73M#

Plugged orig hole Date 2-6-51 (diagram att.)

(12). Location: 1980' FML & 660' FWL Sec 22, 23-S, 37-E, Lea County
 Operator: (Gulf Oil) Arch Pet.
 Lease: C. E. LaMunyon Well No. 30
 Well type: Oil XX Gas T.D. 6300'; PBDT: 5892'
 Date drilled: 3-68
 Completion data: 8-5/8" @ 891' w/340 sx, circ cmt; 5-1/2" @ 6258'
w/510 sx, TOC 4000', calc; perf sq holes @ 952', cmt w/200 sx, circ;
perf Blinebry 5556'-5730'; A/3000; SWF/27M# 20/40 sd; 2-69, perf
Blinebry 5347'-5452'; A/3000; SWF/27M# 20/40 sd; 4-95, perf Blinebry
5422'-5860'; CO2 foam frac/ 250M# 16/30 sd; 7-99 perf L/Paddock (over)

Plugged Date (diagram att.)

ITEM VI

WELL DATA - AREA OF REVIEW

- (13). Location: 1980' FNL & 1780' FWL Sec 22, 23-S, 37-E, Lea County
Operator: (Gulf Oil) Arch Pet.
Lease: C. E. LaMunyon Well No. 35
Well type: Oil XX Gas T.D. 5892'; PBTD: 5820'
Date drilled: 4-19-68
Completion data: 8-5/8" @ 889' w/350 sx, circ cmt; 5-1/2" @
5854' w/440 sx, TOC 1800' calc; perf Blinebry 5455'-5771'; A/4000;
SWF/54M# 20/40 sd

Plugged Date (diagram att.)
- (14). Location: 660' FNL & 660' FWL Sec 22, 23-S, 37-E, Lea County
Operator: (Gulf Oil) Arch Pet.
Lease: C. E. LaMunyon Well No. 44
Well type: Oil XX Gas T.D. 5900'; PBTD: 5280'
Date drilled: 5-20-69
Completion data: 8-5/8" @ 903' w/350 sx, circ; 5-1/2" @ 5900'
w/440 sx, TOC 3720' calc; perf Blinebry 5390'-5812'; A/7M; SWF/65M#
20/40 sd; 11-95 perf Blinebry 5409'-5793'; A/2500; F/CO2 foam and 87M#
sd; 1998, perf U/Blinebry 5321'-56'; A/3500, communicated; 9-99
perf L/Paddock 5196'-5234', CIBP @ 5280'; A/1000; SWF/79M# 16/30 sd

Plugged Date (diagram att.)
- (15). Location: 1780' FSL & 1880' FWL Sec 22, 23-S, 37-E, Lea County
Operator: Arch Pet.
Lease: C. E. LaMunyon Well No. 46
Well type: Oil XX Gas T.D. 7600'; PB 6691'
Date drilled: 10-20-78
Completion data: 8-5/8" @ 1095' w/500 sx, circ cmt; 5-1/2" @
7600' w/1900 sx, DV @ 2883', circ cmt; perf Devonian 7221'-7369';
A/1100; 4-79, perf Abo 6713'-6918', CIBP @ 7203', cmt plug 7165'-7200';
cmt ret @ 6688', sq/100 sx 6691'-6918'; 8-79, perf Tubb/Drinkard 6389'-
6625'; A/1800; SWF/20M# 20/40 sd

Plugged Date (diagram att.)

ITEM VI

WELL DATA - AREA OF REVIEW

- (16). Location: 2180' FML & 560' FWL Sec 22, 23-S, 37-E, Lea County
Operator: Arch Pet.
Lease: C. E. LaMunyon Well No. 47
Well type: Oil XX/TA Gas T.D. 7500'; PB: 7267'
Date drilled: 11-28-78
Completion data: 8-5/8" @ 1097' w/500 sx, circ cmt; 5-1/2" @
7500' w/1775 sx, DV @ 2948', circ cmt; perf Devonian 7317'-7458';
A/2000; 1-98, set CIBP @ 7267', TA

Plugged TA Date 1-04-98 (diagram att.)
- (17). Location: 1300" FSL & 330' FWL Sec 22, 23-S, 37-E, Lea County
Operator: Arch Pet.
Lease: C. E. LaMunyon Well No. 53
Well type: Oil XX Gas T.D. 6000'; PBTD: 5345'
Date drilled: 10-95
Completion data: 8-5/8" @ 1075' w/ 600 sx, circ cmt; 5-1/2" @
6000' w/1650 sx, circ; perf Blinbry 5394'-5836'; A/4300; F/50 qual
CO2 foam & 251M# 16/30 sd; 1-99, set CIBP @ 5345'; perf L/Paddock
5157'-87'; A/1000; SWF/73M# 16/30 sd

Plugged Date (diagram att.)
- (18). Location: 1300' FML & 660' FWL Sec 22, 23-S, 37-E, Lea County
Operator: Arch Pet.
Lease: C. E. LaMunyon Well No. 54
Well type: Oil XX Gas T.D. 6005'; PBTD: 5953'
Date drilled: 2-96
Completion data: 8-5/8" @ 1068' w/600 sx, circ; 5-1/2" @ 6005'
w/1250 sx, circ cmt; perf Blinbry 5419'-5847'; A/3700; CO2 foam
frac/249M# 16/30 sd; 8-99, perf L/Paddock 5176'-5206'; A/1000;
SWF/78M# 16/30 sd

Plugged Date (diagram att.)

ITEM VI

WELL DATA - AREA OF REVIEW

(19). Location: 2610' FNL & 330' FWL Sec 22, 23-S, 37-E, Lea County
Operator: Arch Pet.
Lease: C. E. LaMunyon Well No. 55
Well type: Oil XX Gas T.D. 6003'; PBDT: 5358'
Date drilled: 1-1-96
Completion data: 8-5/8" @ 1112' w/600sx, circ; 5-1/2" @ 5988'
w/ 1300sx, circ; perf Blinebry 5400'-5857'; A/3800; F/50 qual CO2
foam and 249M# 16/30 sd; 11-99, set CIBP @ 5358'; perf L/Paddock
5169'-85'; A/1000; SWF/80M# 16/30 sd

Plugged Date (diagram att.)

(20). Location: 1300' FSL & 1340' FWL Sec 22, 23-S, 37-E, Lea County
Operator: Arch Pet.
Lease: C. E. LaMunyon Well No. 60
Well type: Oil XX Gas T.D. 5940'; PBDT: 5917'
Date drilled: 8-96
Completion data: 8-5/8" @ 1043' w/800 sx, circ; 5-1/2" @ 5940'
w/1805 sx, circ; perf Blinebry 5395'-5859'; A/2000; CO2 foam frac/
251M# 16/30 sd; 9-99, perf L/Paddock 5149'-74'; A/1000; SWF/ 85M#
16/30 sd

Plugged Date (diagram att.)

(21). Location: 2475' FSL & 1100' FWL Sec 22, 23-S, 37-E, Lea County
Operator: Arch Pet.
Lease: C. E. LaMunyon Well No. 70
Well type: Oil XX Gas T.D. 5900'; PBDT: 5300'
Date drilled: 5-00
Completion data: 8-5/8" @ 1100' w/775 sx, circ; 5-1/2" @ 5900'
w/1460 sx, DV @ 4095', circ cmt; perf Blinebry 5355'-5377'; A/1000;
SWF/88M# 16/30 sd; set CIBP @ 5300'; perf L/Paddock 5164'-84'; A/
1000; SWF/75.5M# 16/30 sd

Plugged Date (diagram att.)

ITEM VI

WELL DATA - AREA OF REVIEW

(22). Location: 1980' FSL & 660' FEL Sec 21, 23-S, 37-E, Lea County
Operator: (Gulf Oil) Mid-Continent Energy
Lease: G. G. Travis Well No. 1
Well type: Oil XX/PB Gas XX/P&A T.D. 9662'; PBTD: 9555'
Date drilled: 7-48
Completion data: 13-3/8" @ 316' w/300 sx, circ; 9-5/8" @ 2900'
w/1300 sx, circ, calc; 7" @ 9661' w/700 sx, TOC 3608', calc; perf
McKee 9412'-9585' (890 shots); A/500; shot/16 qts nitro; P & A;
re-enter 5-1-59 (Gulf) perf Abo 6764'-7200'; IPCAOF 2.6 MCFG

Plugged XX Date 1/27/66 (diagram att.)

(23). Location: 1980' FS & EL Sec 21, 23-S, 37-E, Lea County
Operator: (Bronco Oil Co.) Mid-Continent Energy
Lease: G. G. Travis Well No. 2
Well type: Oil XX Gas T.D. 6303'; PBTD: 6286'
Date drilled: 11-10-67
Completion data: 9-5/8" @ 1011' w/300 sx, circ; 7" @ 6308'
w/500 sx, TOC 3450' calc; perf Drinkard 6221'-29'; A/1500; F/20M#
sd; set CIBP TA 3-13-68; re-comp perf Blinebry 5351'-5908'; A/4500;
F/69M# sd

Plugged Date (diagram att.)

(24). Location: 2310' FSL & 990' FEL Sec 21, 23-S, 37-E, Lea County
Operator: (Solar Oil Co.) Mid-Continent Energy
Lease: G. G. Travis Well No. 3
Well type: Oil XX Gas T.D. 6377'; PBTD: 6312'
Date drilled: 4-8-68
Completion data: 9-5/8" @ 1030' w/460 sx, circ; 7" @ 6357'
w/525 sx, TOC 3360' calc; perf Blinebry 5348'-5864'; A/4500;
F/62M# sd

Plugged Date (diagram att.)

ITEM VI

WELL DATA - AREA OF REVIEW

(25). Location: 1800' FSL & 330' FEL Sec 21, 23-S, 37-E, Lea County
Operator: Mid-Continent Energy
Lease: G. G. Travis Well No. 4
Well type: Oil XX Gas T.D. 6000'; PBDT: 5956'
Date drilled: 3-00
Completion data: 8-5/8" @ 1100' w/765 sx, circ; 5-1/2" @ 6000'
w/1380 sx, TOC 715', CBL; perf L/Blinebry 5650'-70'; A/1000; SWF/
67M# 16/30 sd; perf U/Blinebry 5354'-74'; A/1000; SWF/110M# 16/30
sd; perf L/Paddock 5167'-87'; A/1000; SWF/75.5M# 16/30 sd

Plugged _____ Date _____ (diagram att.)

(26). Location: 1650' FSL & 1330' FEL Sec 21, 23-S, 37-E, Lea County
Operator: Mid-Continent Energy
Lease: G. G. Travis Well No. 5
Well type: Oil XX Gas _____ T.D. 5930'; PBTD: 5635'
Date drilled: 8-00
Completion data: 8-5/8" @ 1115' w/775 sx, circ; 5-1/2" @ 5930'
w/2325 sx, DV @ 4041', TOC 2470' CBL; perf Blinebry 5364'-80'; A/1000;
SWF/47M# 16/30 sd, screen-out; perf L/Paddock 5180'-5200'; A/1000;
SWF/60M# 16/30 sd

Plugged _____ Date _____ (diagram att.)

(27). Location: 990' FSL & 330' FEL Sec 21, 23-S, 37-E, Lea County
Operator: V-F Petroleum
Lease: Saltmount Well No. 1
Well type: Oil D & A Gas T.D. 7384'
Date drilled: 8-21-80
Completion data: 8-5/8" @ 1057' w/500 sx, DNC, top out w/1"
and 150 sx cmt; DST in Devonian; no compl. attempt; D & A

Plugged XX Date 8-21-80 (diagram att.)

FORM C-108

ITEM VI

WELL DATA - AREA OF REVIEW

(28). Location: 330' FSL & 660' FEL Sec 16, 23-S, 37-E, Lea County
Operator: Kaiser-Francis Oil (Coquina Oil)
Lease: Texaco State Well No. 1
Well type: Oil XX Gas T.D. 5890'; PBTD: 5330'
Date drilled: 10-20-70
Completion data: 8-5/8" @ 980' w/500 sx, circ; 5-1/2" @ 5890'
w/275 sx, TOC 4530', calc; perf Blinebry 5367'-5856'; re-comp
2-4-00 set CIBP @ 5330'; perf Paddock 5164'-5218'; A/1500; F/44M#
sd

Plugged Date (diagram att.)

(29). Location: 660' FS & WL Sec 15, 23-S, 37-E, Lea County
Operator: Conoco
Lease: Cline "A-15" Well No. 2
Well type: Oil XX Gas T.D. 5800' PB: 4000'
Date drilled: 12-47
Completion data: 13-3/8" @ 221' w/200 sx; 9-5/8" @ 3428' w/600
sx, TOC 1785' calc; 7" lnr 3336'-3874' w/400 sx; 4-1/2" lnr 3374'-
5800' w/125 sx; temp abd 5-5-48; re-enter 3-69; Blinebry perfs 5496'-
5763'; 6-17-80, PB to 4000'; perf Seven Riv/Queen 3240'-3598'; A/
4000; F/60M# sd

Plugged Date (diagram att.)

(). Location:
Operator:
Lease: Well No.
Well type: Oil Gas T.D.
Date drilled:
Completion data:

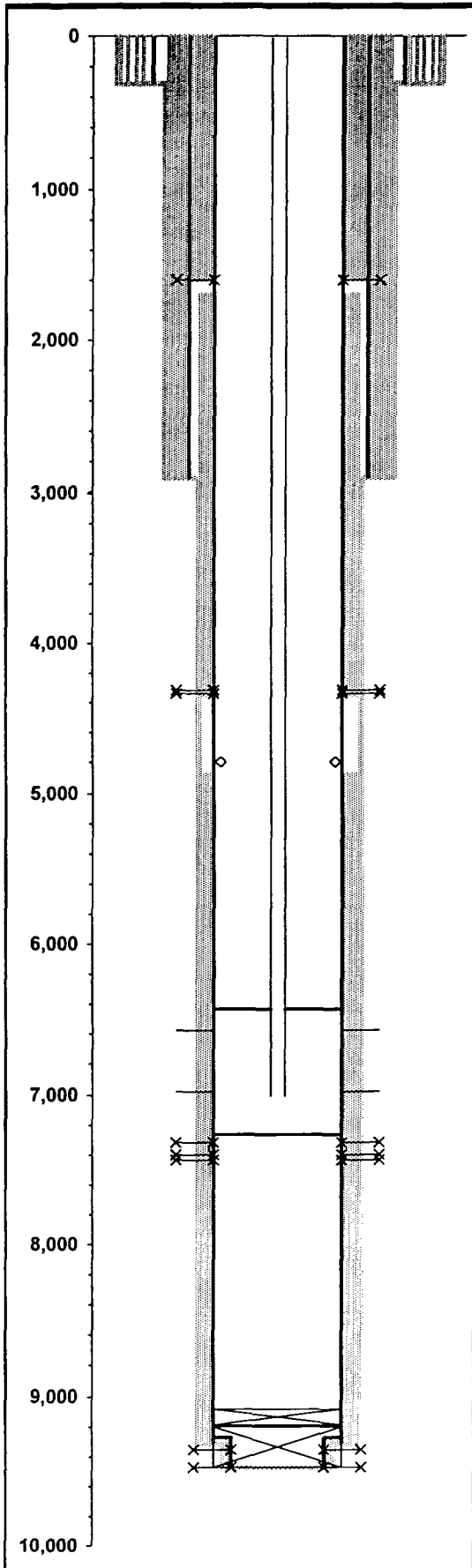
Plugged Date (diagram att.)

Wellbore Schematic

LAMUNYON, C E # 010

Wellbore ID #: A700239

Printed: 8/3/2001



1650' FSL & 990' FWL	GL Elev:	3,292.00
Sec,Blk,Sur(Lbr,Lge,Sur)or(Sec,Twn,Rng): 22, 23S, 37E	Fill Depth:	
County, State: LEA, NM	PBTD:	7,263.00
Aux ID (API, etc.): 30-025-10830	TD:	9,472.00
KB = 8; DF = ; All Depths Corr To: KB	BOP:	

Hole Size

Diameter	Top At	Btm At	Date Drilled
17.5000	0.00	309.00	5/26/1949
12.2500	309.00	2,901.00	6/7/1949
8.7500	2,901.00	9,312.00	10/11/1949
6.0000	9,312.00	9,475.00	10/25/1949

Surface Casing

Date Ran: 5/27/1949

Description	#	Diameter	Weight	Grade	Length	Top At	Btm At
Casing	9	13.3750	48.00	H40	297.00	8.00	305.00

Intermediate Casing

Date Ran: 6/9/1949

Description	#	Diameter	Weight	Grade	Length	Top At	Btm At
Casing	70	9.6250	36.00	H40	2,892.00	8.00	2,900.00
W/ DV TOOL @ 1062'							

Production Casing String 1

Date Ran: 10/15/1949

Description	#	Diameter	Weight	Grade	Length	Top At	Btm At
Casing	1	7.0000	29.00	N80	35.00	8.00	43.00
Casing	31	7.0000	23.00	N80	1,234.00	43.00	1,277.00
Casing	97	7.0000	23.00	J55	3,851.00	1,277.00	5,128.00
Casing	17	7.0000	23.00	N80	670.00	5,128.00	5,798.00
Casing	33	7.0000	23.00	S80	1,500.00	5,798.00	7,298.00
Casing	44	7.0000	26.00	N80	1,950.00	7,298.00	9,248.00
Casing	2	7.0000	29.00	N80	63.00	9,248.00	9,311.00

Production Casing String 2

Date Ran: 3/3/1950

Description	#	Diameter	Weight	Grade	Length	Top At	Btm At
Casing	10	5.0000	6.08		199.00	9,276.00	9,475.00

Cement

# Sx	Class	Weight	I D	O D	Top At	Btm At	TOC Per
300			13.375	17.500	0.00	305.00	Circ
1200			9.625	12.250	1,062.00	2,700.00	Calc
100			9.625	12.250	2,700.00	2,900.00	Est
340			9.625	12.250	0.00	1,062.00	Circ

DV TOOL @ 1062

675			7.000	8.750	4,875.00	8,000.00	TS
125			7.000	8.750	8,000.00	9,311.00	Est
50			5.000	6.000	9,276.00	9,475.00	Circ
550			7.000	8.750	1,695.00	4,346.00	TS
300			7.000	9.625	0.00	1,600.00	Circ

Perforations

Top	Bottom	Status	Opened	Closed	# / Ft	Ttl #	Open Hole?
1,600.00	1,601.00	PA	5/13/1977	5/13/1977	4	4	

SQ HOLES

4,315.00	4,345.00	PA	10/14/1967	10/14/1967			
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CSG LK - SQUEEZED 1955 & 1967

6,575.00	6,982.00	A	4/8/1996		2	38	
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ABO - 19 SELECTIONS

7,318.00	7,398.00	PA	1/24/1980	9/7/1995	2	24	
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DEVONIAN - 4 EA 3' SETS

7,434.00	7,444.00	PA	3/19/1977	9/7/1995	4	40	
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DEVONIAN

Wellbore Schematic

LAMUNYON, C E # 010

Wellbore ID #: A700239

Printed: 8/3/2001

Perforations

Top	Bottom	Status	Opened	Closed	# / Ft	Ttl #	Open Hole?
9,311.00	9,475.00	PA	10/27/1949	2/15/1950			Yes
MCKEE - OPEN HOLE							
9,362.00	9,470.00	PA	3/5/1950	5/12/1977			
MCKEE - 4 SETS							

Wellbore Plugs and Junk

Top	Bottom	Type	Diameter	Solid	Date
7,263.00	7,273.00	Cmt	7.000	Yes	9/7/1995
7,273.00	7,276.00	CIBP	7.000	Yes	9/7/1995
9,085.00	9,088.00	CR	7.000	Yes	5/12/1977
9,088.00	9,197.00	Cmt	7.000	Yes	5/12/1977
9,197.00	9,200.00	Pkr	7.000	Yes	10/30/1967
MODEL D					
9,200.00	9,470.00	Cmt	7.000	Yes	5/12/1977

Rod String 1

Date Ran: 4/23/2001

Description	#	Diameter	Rod Box	Grade	Length	Top At	Btm At
Pol Rd	1	1.2500			22.00	0.00	22.00
Pol Rd Lnr	1	1.5000			12.00	10.00	22.00
Rod Sect 1	2	0.8750	SH	D-90	10.00	22.00	32.00
Rod Sect 2	59	0.8750	SH SM	D-90	1,475.00	32.00	1,507.00
Rod Sect 3	206	0.7500	Full SM	D-90	5,150.00	1,507.00	6,657.00
Rod Sect 4	10	0.8750	SH SM	D-90	250.00	6,657.00	6,907.00
Rod Sect 5	3	1.5000		C	75.00	6,907.00	6,982.00
Rod Sect 6	1	0.8750	SH	D	6.00	7,008.50	7,014.50
On Off Tool	1	1.6250			0.50	6,982.00	6,982.50
Pump	1	1.0625			16.00	6,982.50	6,998.50
R&R PMP							
Gas Anchor	1	1.0000			10.00	6,998.50	7,008.50

Tubing String 1

Date Ran: 2/22/2000

Description	#	Diameter	Weight	Grade	Length	Top At	Btm At
Tbg Sect 1	201	2.3750	4.70	J55	6,421.00	8.00	6,429.00
Tbg Anchor	1	7.0000			4.00	6,429.00	6,433.00
Tbg Sect 2	17	2.3750	4.70	J55	546.00	6,433.00	6,979.00
Stg Nipple	1	2.3750			1.00	6,979.00	6,980.00
Prf Nipple	1	2.3750	4.70	J55	4.00	6,980.00	6,984.00
Mud Anchor	1	2.3750	4.70	J55	31.00	6,984.00	7,015.00

#	Lease & Well #	R U Date	Reason	Type	Cause 1	Cause 2	Item	Part	Size	Grade	Depth	Rig Hrs: Ttl Cost
33	LAMUNYON, C E # 010	5/26/1949	OC									
	SPUD 5/26/49 - GOT CROOKED(3 1/4") @ 8770', SET OH WHIPSTOCK @ 8776', LOST REAMER IN HOLE, PLUGGED BAK TO 8500' W/ CMT - SET OH WHIPSTOCK @ 8502', PB TO 8450' W/ CMT - SET OH WS @ 8607' - SET OH WS @ 8784', WENT INTO OLD HOLE - PB TO 8682' W/ CMT, SET OH WS @ 8779', RET WS, 6° DEV - COMPLETE OH IN MCKEE											
33	LAMUNYON, C E # 010	2/15/1950	CO									
	C/O SN & SH TO 9475 - RAN 5" LNR & CMTD - PERF MCKEE 9450-70, 9400-45, 9386-92, & 9362-76 W/ 4 JSPF - PUT WELL ON GAS LIFT.											
33	LAMUNYON, C E # 010	1/26/1955	Insp									
	LOC CSG LK 4316-46', SQ W/ 550 SX CMT, CIRC DN 7" & OUT 9 5/8", TSTOC 1695'											
33	LAMUNYON, C E # 010	10/27/1959	Frac									
	C/O 9423-75' - SOF MCKEE W/ 10M# 8/12 SN IN 3 STGS W/ BALLS - PWOGL											
33	LAMUNYON, C E # 010	9/1/1964	SI									
	WELL SI											
33	LAMUNYON, C E # 010	10/11/1967	AddPay									
	CONVERT TO INJECTION - CSG LK 4315-45', SQ W/ 50 SX, C/O TO 9471' - RUN PC TBG.											
33	LAMUNYON, C E # 010	11/19/1967	PR									
	FIRST INJECTION.											
33	LAMUNYON, C E # 010	6/14/1968	Acid									
	ACD MCKEE W/ 1000											
33	LAMUNYON, C E # 010	12/4/1968	Acid									
	ACD MCKEE W/ 1000											
33	LAMUNYON, C E # 010	1/31/1969	CO									
	MODEL D @ 9200', C/O BELOW PKR 9373-9468'											
33	LAMUNYON, C E # 010	7/1/1969	Acid									
	ACD MCKEE W/ 1000											
33	LAMUNYON, C E # 010	5/21/1970	Acid									
	ACD MCKEE W/ 1000 - C/O FILL BELOW PKR 9443-71'											
33	LAMUNYON, C E # 010	8/23/1971	CO									
	C/O BELOW PKR 9425-75'											
33	LAMUNYON, C E # 010	5/10/1977	AddPay									
	P&A MCKEE & R/C DEVONIAN - SET CR @ 9085 & ASQ MCKEE W/ 100 SX, REV OUT 35 SX - PERF 7" @ 1600' & CIRC 300 SX CMT UNDER CR BETWEEN 7" X 9 5/8" - PERF DEVONIAN 7434-44 W/ 4 JSPF, ACD W/ 3000, ACD W/ 3000 15% CRA											
33	LAMUNYON, C E # 010	1/22/1980	AddPay									
	ACD DEV 7434-44 W/ 2000 W/ BALLS - PERF DEV 7318-21, 39-42, 69-72, & 95-98 W/ 2 JSPF, BRK DN EA SET W/ 600, ACD 7318-98 W/ 4800 W/ BALLS - CHEM SQ FOR CORROSION & FES - PWOP											
33	LAMUNYON, C E # 010	4/15/1980	Chem									
	31 CHEMICAL SQUEEZES											
33	LAMUNYON, C E # 010	9/7/1995	TA									
	SET CIBP @ 7273' & CAP W/ 2 SX CMT											

2 of 3 Pages

#	Lease & Well #	R U Date	Reason	Type	Cause 1	Cause 2	Item	Part	Size	Grade	Depth	Rig Hrs:	Ttl Cost
33	LAMUNYON, C E # 010	4/8/1996	AddPay										
	PERF ABO 6575, 6612, 26, 43, 59, 70, 90, 6724, 59, 86, 95, 6818, 40, 57, 86, 6916, 25, 43, & 82 W/ 2 JSPF - ACD W/ 5000 W/ BALLS - PWOP												
33	LAMUNYON, C E # 010	3/30/1997	EqF	Mechanical	Wear		Pump	Pump					\$4,363
	pump failure. Replaced: pump. Load & Test.												
33	LAMUNYON, C E # 010	4/9/1997	EqF	Mechanical	Wear		Pump	Pump					\$1,762
	pump failure. Replaced: pump. Load & test.												
33	LAMUNYON, C E # 010	1/7/1998	EqF	Mechanical	Wear		Pump	Pump					\$1,880
	Pump failure. Replaced: pump. Load and test.												
33	LAMUNYON, C E # 010	4/20/1998	EqF	Hole	Wear		Tbg	Body					\$5,821
	HIT. Replaced: pump. Tested tbg in hole.												
33	LAMUNYON, C E # 010	5/23/1998	EqF	Part	Fatigue		Rod	Body					\$1,704
	Rod part: 3/4" body break 24th rod on string. Replaced: 1 3/4" rod.												
33	LAMUNYON, C E # 010	8/29/1998	EqF	Hole	FlqPound		Tbg	Pin					\$21,088
	HIT; tbg parted: 2-3/8" pin below anchor. Replaced: 218 jts 2-3/8" tbg.												
33	LAMUNYON, C E # 010	9/26/1998	EqF	Mechanical	Wear		Pump	Pump					\$2,152
	Pump change. Replaced: Ran 1 1/16. Load & test.												
33	LAMUNYON, C E # 010	10/9/1998	Acid										
	ACD DN CSG W/ 1000												
33	LAMUNYON, C E # 010	6/16/1999	Chem										
	15 GAL SCAV 10												
33	LAMUNYON, C E # 010	12/20/1999	EqC									15.00	\$5,487
	CHG PMPG UNIT & REDESIGN ROD STRING. CHG UNIT FROM 320 TO 160, DN SIZE PMP TO 1.0625. RODS CLEAN, NO VISIBLE PITS.												
33	LAMUNYON, C E # 010	2/21/2000	EqF	Split	Wear		Tbg	Body	2.375	J55	6,967.0	20.00	\$5,450
	HIT - 2 JTS ABOVE S/N - CHG OUT BOTTOM 5 JTS TBG - ADD 3 K BARS - PUMP: PLGR COULP WORN, PRI TV & SV BALLS & SEATS PITTED.												
33	LAMUNYON, C E # 010	4/26/2000	Chem										
	10 GAL SCAV10												
33	LAMUNYON, C E # 010	5/17/2000	Chem										
	15 GAL SCAV10												
33	LAMUNYON, C E # 010	4/20/2001	EqF	Plug	Trash	Corrosion	Pump	SV			6,965.0	16.00	\$3,912
	S.V. PLUGGED W/ IRON: MIRU: POH W/ RODS & PMP. R&R PMP. SDFN. DAY 2: RIH W/ RODS & PMP. HWO LOADED-TESTED TO 500# OK. POUR 5-GAL CI-802 DWN TBG. PUMP: PRI TV BALL & SEAT PITTED, PRI SV BALL & SEAT PITTED, PRI SV CAGE WORN, SV PLUGGED W/ IRONSULFIDE, 69% FES. DLH.												
33	LAMUNYON, C E # 010	5/25/2001	Chem										\$1,884
	Miru A&B pump truck. Pressure tbg, to 500 # leave tbg closed in. ru on csg. Pump 2 drums of sh-34 followed with 1 bbl of water, pump 1/2 drum of scav-10 down csg. Close csg in for 4 hrs no longer than 13 hrs. put well back on production. Pump well till water cleans up. Then pump 1/2 drum of scav-10 down csg, circulate well for 12 to 24 hrs. GW.												

Well Servicing

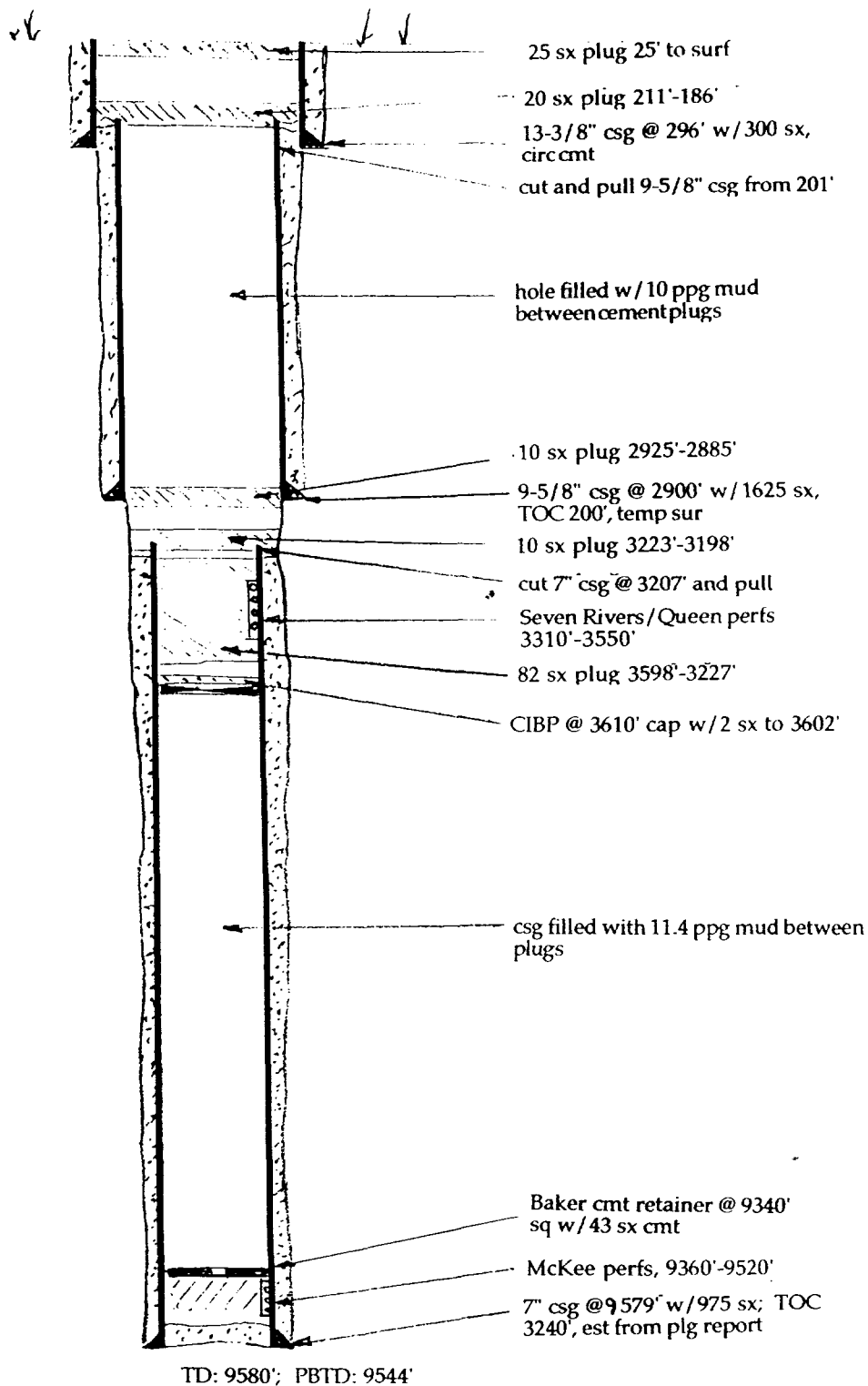
(1/1/1949 thru 8/3/2001)

Printed: 8/3/2001

3 of 3 Pages

#	Lease & Well #	R U Date	Reason	Type	Cause 1	Cause 2	Item	Part	Size	Grade	Depth	Rig Hrs:	Ttl Cost
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Wells Selected based on the following criteria: Well = LAMUNYON, C E # 010 (ABO)(B).
Well Servicing Work Reason's Limited to following Criteria: No criteria selected.



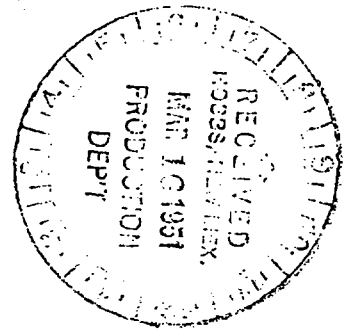
ARCH PETROLEUM
C. E. LAMUNYON NO. 79
FORM C-108, ITEM VI

D & A DIAGRAM
GULFOIL
C. E. Lamunyon No. 14
Sec 22, 23-S, 37-E
Lea County, NM



UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

P. O. Box 1346
Hobbs, New Mexico



March 15, 1951

Gulf Oil Corporation
Box 1667
Hobbs, New Mexico

Re: Las Cruces 030187

Gentlemen:

Your "Subsequent Report of Abandonment" dated February 6, 1951 concerning well No. 14 La Muryon located 1980 feet from south and west lines of section 22, T. 23S, R. 37E, Teague Pool, Lea County, New Mexico, is hereby approved.

Very truly yours,

M. H. SOYSTER
District Engineer

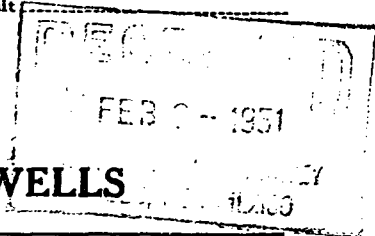
(SUBMIT IN TRIPLICATE)

Land Office Las Cruces

Lease No. 030187

Unit _____

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY



SUNDRY NOTICES AND REPORTS ON WELLS

NOTICE OF INTENTION TO DRILL	SUBSEQUENT REPORT OF WATER SHUT-OFF
NOTICE OF INTENTION TO CHANGE PLANS	SUBSEQUENT REPORT OF SHOOTING OR ACIDIZING
NOTICE OF INTENTION TO TEST WATER SHUT-OFF	SUBSEQUENT REPORT OF ALTERING CASING
NOTICE OF INTENTION TO RE-DRILL OR REPAIR WELL	SUBSEQUENT REPORT OF REDRILLING OR REPAIR
NOTICE OF INTENTION TO SHOOT OR ACIDIZE	SUBSEQUENT REPORT OF ABANDONMENT
NOTICE OF INTENTION TO PULL OR ALTER CASING	SUPPLEMENTARY WELL HISTORY
NOTICE OF INTENTION TO ABANDON WELL	

(INDICATE ABOVE BY CHECK MARK NATURE OF REPORT, NOTICE, OR OTHER DATA)

February 6, 1951

LaMunyon

Well No. 14 is located 1980 ft. from N line and 1980 ft. from E line of sec. 22

<u>SW 1/4 of 22</u>	<u>235</u>	<u>37E</u>	<u>37E 100M</u>
(1/4 Sec. and Sec. No.)	(Twp.)	(Range)	(Meridian)
<u>Teague</u>	<u>Lea</u>	<u>New Mexico</u>	
(Field)	(County or Subdivision)	(State or Territory)	

The elevation of the derrick floor above sea level is _____ ft.

DETAILS OF WORK

(State names of and expected depths to objective sands; show sizes, weights, and lengths of proposed casings; indicate mudding jobs, cementing points, and all other important proposed work)

Pumped 200 barrels of 11# mud in hole. Permission granted by Mr. Royster, and finished mudding hole with 48 barrels of 9.3 mud. Circulated two hours to equalize mud. Mixed and spotted 82 sacks common Portland cement from 3598' to 3275'. Ran steel line, found cement at 3227'. Shot off 7" csg. at approximately 3207'. Placed cement plug of 10 sacks from 3223' to 3198'. Placed cement plug from 2925' to 2885'. Shot off 9 5/8" csg. at 2811'. Placed 20 sacks cement from 211' to 186'. Bridged hole at 25'. Filled to surface with 25 sacks cement. Placed 4" pipe marker 4' above ground level. Marker filled with cement.

I understand that this plan of work must receive approval in writing by the Geological Survey before operations may be commenced.

Company Gulf Oil Corporation

Address Box 1667
Hobbs, New Mexico

By J. Z. TAYLOR

Title Asst. Insp.

(SUBMIT IN TRIPLICATE)

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEYLand Office Las CrucesLease No. 030187

Unit _____

SUNDRY NOTICES AND REPORTS ON WELLS

NOTICE OF INTENTION TO DRILL		SUBSEQUENT REPORT OF WATER SHUT-OFF	
NOTICE OF INTENTION TO CHANGE PLANS		SUBSEQUENT REPORT OF SHOOTING OR ACIDIZING	
NOTICE OF INTENTION TO TEST WATER SHUT-OFF		SUBSEQUENT REPORT OF ALTERING CASING	
NOTICE OF INTENTION TO RE-DRILL OR REPAIR WELL		SUBSEQUENT REPORT OF REDRILLING OR REPAIR	
NOTICE OF INTENTION TO SHOOT OR ACIDIZE		SUBSEQUENT REPORT OF ABANDONMENT	
NOTICE OF INTENTION TO PULL OR ALTER CASING		SUPPLEMENTARY WELL HISTORY	☒
NOTICE OF INTENTION TO Plug ABANDON WELL	☒		

(INDICATE ABOVE BY CHECK MARK NATURE OF REPORT, NOTICE, OR OTHER DATA)

December 20, 1950

LaMunyon

Well No. 14 is located 1980 ft. from N line and 1980 ft. from W line of sec. 22

<u>Teague</u> SW 1/4 of 22	<u>23S</u>	<u>37E</u>	<u>NMPM</u>
(1/4 Sec. and Sec. No.)	(Twp.)	(Range)	(Meridian)
<u>Teague</u>	<u>Lea</u>	<u>New Mexico</u>	
(Field)	(County or Subdivision)	(State or Territory)	

The elevation of the derrick floor above sea level is 3296 ft.

DETAILS OF WORK

(State names of and expected depths to objective sands; show sizes, weights, and lengths of proposed casings; indicate mudding jobs, cementing points, and all other important proposed work)

TD - 9580, PB, TD - 9544'. Perforated McKee section between 9360-9380', 9400-9430', 9462-9499', 9507-9520', with 4 jet shots per foot. Completed 7-5-50, 2 bbls. per day, non-commercial. On 12-2-50, set Baker cement retainer at 9340', squeezed with 43 sacks Neat cement. Filled csg. with 11.4 mud to 3600'. On 12-3-50 set Baker bridging plug 3610'. Two sacks cement on top of plug to 3602'. On 12-5-50, perforated Queen formation between 3310-3340', 3430-3550', 4 jet shots per foot. On 12-9-50, Hookwall packer at 3410' and treated section between 3430-3550 with 1000 gallons mud acid. On 12-13-50, swabbed dry. On 12-15-50, unseated packer and swabbed both sections dry. Recommend plug and abandon in following manner. Cement section 3602-3275' with 82 sacks cement. Cut off 7" pipe at 3275' and salvage. Cut off 9 5/8" csg at 200'. Fill hole to within 25' of surface with 11# mud. Set 25' plug in 13 3/8" csg. with 4" convectional marker. 9 5/8" csg. from 2900' to 200' to be left in hole. 296' of 13 3/8" csg. to be left in hole.

I understand that this plan of work must receive approval in writing by the Geological Survey before operations may be commenced.

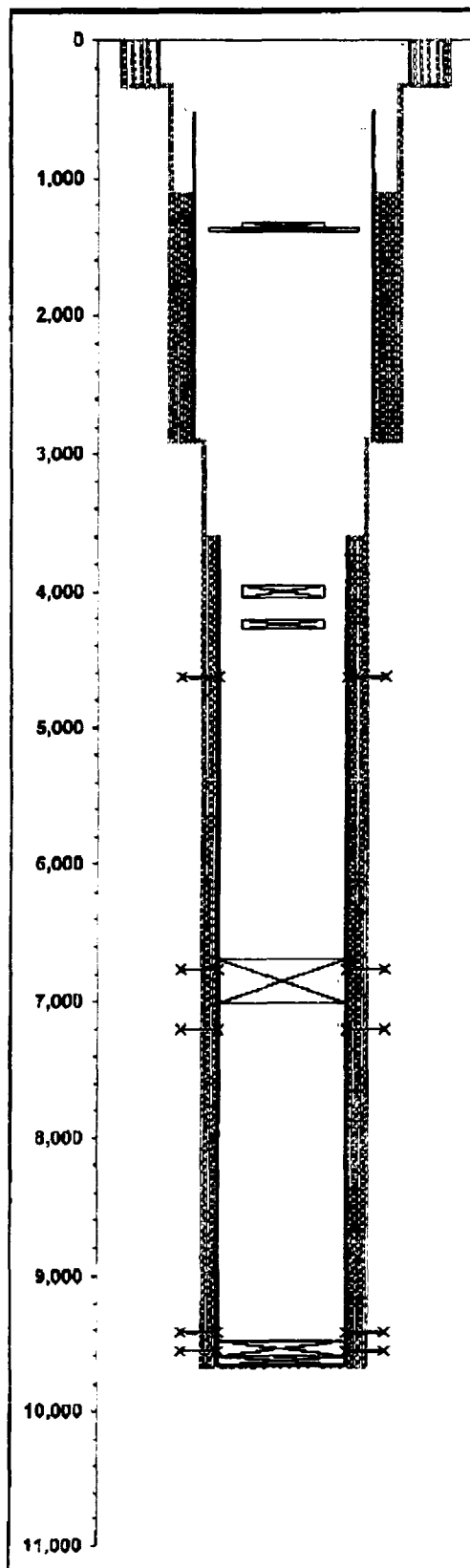
Company Gulf Oil CorporationAddress Box 1667Hobbs, New MexicoBy E. F. TaylorTitle Area Production Supt.

Wellbore Schematic

TRAVIS, G. G. # 001

Wellbore ID #: a5000

Printed: 8/14/2001



1960' FSL & 660' FEL	GL Elev:	3,307.00
Sec, Blk, Sur(Lbr, Lge, Sur) or (Sec, Twn, Rng): 21, 23S, 37E	Fill Depth:	
County, State: LEA, NM	PBTD:	
Aux ID (API, etc.):	TD:	9,662.00
KB = 14; DF = ; All Depths Corr To: KB	BOP:	

Hole Size

Diameter	Top At	Btm At	Date Drilled
17.5000	0.00	316.00	10/1/1948
12.2500	316.00	2,900.00	10/1/1948
8.7500	2,900.00	9,662.00	10/1/1948

Surface Casing

Date Ran: 10/1/1948

Description	#	Diameter	Weight	Grade	Length	Top At	Btm At
Casing		13.3750	48.00		302.00	14.00	316.00

Intermediate Casing

Date Ran: 10/1/1948

Description	#	Diameter	Weight	Grade	Length	Top At	Btm At
Casing		9.6250	36.00		2,380.00	520.00	2,900.00

Production Casing String 1

Date Ran: 10/1/1948

Description	#	Diameter	Weight	Grade	Length	Top At	Btm At
Casing		7.0000	23.00		6,053.00	3,608.00	9,661.00
23 & 26 #							

Cement

# Sx	Class	Weight	ID	OD	Top At	Btm At	TOC Per
300			13.375	17.500	0.00	316.00	Circ
1300			9.625	12.250	1,115.00	2,900.00	TS
700			7.000	8.750	5,400.00	9,661.00	TS
325			7.000	8.750	3,608.00	5,360.00	Calc

ASSUMING A 10" HOLE

Perforations

Top	Bottom	Status	Opened	Closed	# / Ft	Tti #	Open Hole?
4,635.00	4,637.00	PA	7/1/1950	7/1/1950			
CSG LK SQ W/ 325 SX.							
6,764.00	7,200.00	PA	5/1/1954	1/1/1966			
ABO							
9,412.00	9,555.00	PA	10/1/1948	5/1/1954			
MCKEE SIMPSON - 4 SETS							

Wellbore Plugs and Junk

Top	Bottom	Type	Diameter	Solid	Date
1,323.00	1,358.00	Junk	4.500	Yes	11/1/1967
1,358.00	1,368.00	Junk	8.000	Yes	11/1/1967
3,951.00	4,041.00	Junk	4.500	Yes	11/1/1967
4,205.00	4,268.00	Junk	4.500	Yes	11/1/1967
6,885.00	7,010.00	Cmt	7.000	Yes	1/1/1966
9,486.00	9,600.00	Hydromite	7.000	Yes	5/1/1959
9,600.00	9,661.00	FC	7.000	Yes	10/1/1948
SHOE JT					

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LAND OFFICE	
OPERATOR	

NEW MEXICO OIL CONSERVATION COMMISSION

Form C-103.
Supersedes Old
C-102 and C-103
Effective 4-65

SUNDRY NOTICES AND REPORTS ON WELLS (DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN OR PLUG BACK TO A DIFFERENT RESERVOIR. USE "APPLICATION FOR PERMIT -" (FORM C-101) FOR SUCH PROPOSALS.)		Set Indifference of Lease State ☒ Fee ☒ 5. State Oil & Gas Lease No.
1. OIL WELL ☒ GAS WELL ☐ OTHER ☐	7. Unit Agreement Name	
2. Name of Operator Gulf Oil Corporation	8. Part or Lease Name G. G. Travis	
3. Address of Operator P. O. Box 980, Kermit, Texas	9. Well No. 1	
4. Location of Well UNIT LETTER I 1960 FEET FROM THE South LINE AND 660 FEET FROM THE East LINE, SECTION 21 TOWNSHIP 23S RANGE 37E RMPM.	10. Field and Pool, or Wildcat Tesque Abo	
15. Elevation (Show whether DF, RT, GR, etc.) 3307' DF	12. County Lee	

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

PERFORM REMEDIAL WORK ☐
TEMPORARILY ABANDON ☐
PULL OR ALTER CASING ☐
OTHER ☐

PLUG AND ABANDON ☐
CHANGE PLANS ☐
OTHER ☐

SUBSEQUENT REPORT OF:

REMEDIAL WORK ☐
COMMENCE DRILLING OPNS. ☐
CASING TEST AND CEMENT JOBS ☐
OTHER ☐
ALTERING CASING ☐
PLUG AND ABANDONMENT ☒

17. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work) SEE RULE 1708.

Rigged up casing pullers and loaded casing with mud. Spotted 60 sacks cement from 7010' to 6825' and pulled tubing. Shot 7" casing @ 4429' and 4016', could not pull, shot at 3608'. Pulled and recovered 84 joints, 3624'. Spotted 20 sacks cement from 3633' to 3569' and 20 sacks from 2925' to 2875'. Shot 9-5/8" casing @ 1104', 719' and 513'. Pulled 521' of 9-5/8" casing. Spotted 30 sacks cement 1125' to 1070', 60 sacks @ 340' and 50' cement plug to surface. Leaving 6037' of 7"; 2379' of 9-5/8" and 316' of 13-3/8" casing in hole. Installed well marker. Well P&A 1-27-66.

Location is cleaned up and ready for inspection.

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

SIGNED W. W. WHITAKER TITLE Area Engineer DATE June 16, 1966
W. W. Whitaker

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

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OPERATOR	

NEW MEXICO OIL CONSERVATION COMMISSION

Form C-101
Revised 1-4-65

5A. Indicate Type of Lease STATE ☐ FEE ☒
5. State Oil & Gas Lease No.
7. Unit Agreement Name
8. Farm or Lease Name Travis
9. Well No. 1
10. Field and Pool, or Wildcat Teague McKee *
12. County Lea
19. Proposed Depth 9300
19A. Formation McKee *
20. Rotary or C.T. Rotary
21. Elevations (Show whether DF, RT, etc.) 3307 DF
21A. Kind & Status Plug. Bond Blanket, Current
21B. Drilling Contractor Lohmann Oil Well Ser
22. Approx. Date Work will start Immediately

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. Type of Work b. Type of Well OIL WELL ☒ GAS WELL ☐ OTHER ☒ Reentry SINGLE ZONE ☐ MULTIPLE ZONE ☒	DRILL ☐ DEEPEN ☐ PLUG BACK ☐
2. Name of Operator BRONCO OIL CORPORATION	
3. Address of Operator 2101 W. Texas Ave., Box 5114, Midland, Texas	
4. Location of Well UNIT LETTER I LOCATED 1980 FEET FROM THE South LINE AND 660 FEET FROM THE East LINE OF SEC. 21 TWP. 23-S RGE. 37-E NMPM	
19. Proposed Depth 9300	19A. Formation McKee *
20. Rotary or C.T. Rotary	
21. Elevations (Show whether DF, RT, etc.) 3307 DF	21A. Kind & Status Plug. Bond Blanket, Current
	21B. Drilling Contractor Lohmann Oil Well Ser
	22. Approx. Date Work will start Immediately

25.

PROPOSED CASING AND CEMENT PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	SACKS OF CEMENT	EST. TOP

This is an old Abo gas well which was originally drilled as the GULF OIL CORPORATION G. G. Travis No. 1 and which was plugged and abandoned by GULF on 27 Jan 66. The well will be reentered and an attempt will be made to tie into the shot off 7" csg at 3624'FS with 7" csg. The 7" csg in the hole will be dressed and washed over and the string will be cemented using a HOWCO "DV" collar. Adequate pressure control equipment will be installed prior to drilling out the plug in the 9-5/8" csg.

* If commercial production is found in the Tubb-Drinkard formation, the well will be completed as a dual McKee/Tubb-Drinkard well.

APPROVAL
FOR 90 DAYS
DRILLING COMMENCED.

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: IF PROPOSAL IS TO DEEPEN OR PLUG BACK, EXPIRES 2-6-68. IF PRESENT PRODUCTIVE ZONE AND PROPOSED NEW PRODUCTIVE ZONE, GIVE BLOWOUT PREVENTER PROGRAM, IF ANY.

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

Signed Daroyl R. Curry Title Vice President Date 1 Nov 67

(This space for State Use)

APPROVED BY TITLE DATE

CONDITIONS OF APPROVAL, IF ANY

Oper. SOLAR Field Name _____ Elev. KB _____ GL _____
 Division IAMC Well Name Travis #1 Producing Zone _____
 WI _____
 RI _____ Location 1980 FSL, 660 FWL Section 21, T-23-S R-37-E
 Lea County, New Mex

TREATMENTSPERFORATED INTERVALSCHRONOLOGICAL WELL HISTORY

AFE#
 11-6-67 FIRST REPORT. Cellar dug out.
 11-8-67 Moved in rotary tools, prep to spud today.
 11-16-67 Drilling at 3515' or rather drilling at 144' on cement with
 brine in 13 3/8" casing using 8 3/4" HUGHES W-7 bit #1 on
 4 3/4" drill collars.
 11-17-67 LOWS Rig #25 now milling at 518' on 9 5/8" casing. after 3 attempts
 with 8 3/4" bit, couldn't get back into casing. COOH put on
 8 5/8" long taper mill. Milled from 513-518'.
 11-19-67 Lohmann Oil Well Service Rig 25: Went in hole with 8 3/4" bit.
 Drill plug at 719 - drill plug at 1070' bridge at 995' to 1120'.
 Run pipe to 1444'. Hit bridge. COOH. Put on 8 3/4" flat bottom
 mill - 8 4 1/2" drill collar. Ran to 600', could not cut through.
 COOH. Put 8 3/4" long taper mill. Ran to 600', milled to 1444'.
 COOH.
 11-20-67 LOWS Rig 25 pull 8 3/4" long taper mill. Ran 6 1/2" concave mill
 to 2266'. COOH with concave mill. Put on 6 1/8" bit with 8 -
 4 1/2" d.c. on 2 7/8" drill pipe. Drilled from 2266-2416'. Well
 blew out. Circulated, ran 14 joints drill pipe. Well blew out
 again. Put Kelly back on. Lost circulation. Makes 10 sacks
 Permian seal. Regained circulation. Ran 15 joints drill pipe.
 Well blew out and lost circulation. Pumped in 70 bbls. brine
 water, regained circulation. Circulated 20 minutes. Ran 26
 joints 2 7/8" drill pipe. Broke circulation. Circulated 10
 minutes. Ran 20 joints drill pipe to 4854', broke circulation.
 11-21-67 LOWS Rig #25 started out of hole with 6 1/8" bit. Stuck at
 4270'. Ran free point with Dialog at 4202'. Ran back off shot
 at 4205'. Left 2 collars and bit. Pulled 3 jts. pipe. Stuck
 again. Ran free point at 3979'. Stuck at 3985'. Ran back off
 shot. Backed off at 3951'. Came out of hole with 74 stand 2 7/8

CHRONOLOGICAL WELL HISTOR.Well Name Travis #1Page # 2

- drill pipe and one 4½" drill collar. Made up 8 ¾" tapered mill. Went in hole with five 4½" drill collar, and 46 stands of drill pipe to 3020'. Did not tag. Came out of hole. Ran 8 5/8" skirted shoe 3.58, 8 5/8" jr. wash pipe 3154', 1 dressing tool 1.26' on five 4½" drill collars and 2 7/8" drill pipe.
- 11-22-67 LOWS Rig #25. Hit scattered bridges with wash pipe. Drilling through. (rig down app. 2 hrs.) Milled over 7" casing with 8 5/8" shoe and wash pipe at 3609' to 3645'. Circulated 1 hr. COOH with 3 jts. 2 7/8" drill pipe. Hit right place, put on Kelly and broke circulation. Pumped in 30 80 plus 15 bbl. mud. Pulled 2 stands of drill pipe. Broke circulation.
- 11-23-67 LOWS Rig #225. Circulated hole. Pulled on 2 7/8" drill pipe with 8 5/8" wash pipe. Lost circulation, mixed mud. Pulled on pipe with no movement. Pipe stuck at 1620'. Mixed 26 sacks of gel and 24 sacks of paper and pumped to regain circulation. Regained circulation at 5:30 A.M. Now pulling on pipe.
- 11-24-67 LOWS Rig #25. Pump down drill pipe trying to regain circ. Mix mud and lost circ. material. Could not get circ. Rig up Dialog to run free point. Ran 1 ¾" free point to 800'. Stuck. Lost free point tool. Standby for sinker bar and jars.
- 11-18-67 LOWS Rig 225. Ø in Red bed at 513' with brine and mud. Vis 42 min. wt. 9.4# /gal 8 5/8" OD bit No. 1. Worked 8 5/8" OD mill to 520'. Dumped 1 yard of pea gravel to stabilize csg. COOH with mill and ran 8 ¾" OD bit, 8 4½" drill collars and drilled cement to 719'. (One cement plug from 520-540'). Bit plugged and COOH. Cleaned up bit and WIH with 8 ¾" OD bit No. 1. Found top of csgs. at 580'. COOH and cleaned bit. WIH and mixed mud at depth of 465'. Found top Red bed at 513'. Could not get into 9 5/8" OD casing. COOH and put on tapered mill. Now going in hole with tapered mill and mixing mud.
- 11-25-67 Fished Dialog free point indicator out of drill pipe. Pumped into drill pipe and cleared out lost circulation material. Ran Dialog to 1354' at top of wash pipe. Found free point at 1294'. Ran back off shot to 1294' and came out of hole with Dialog. Pulled 38 joints of drill pipe and 3 drill collars, leaving 2 drill collars and 1 jt. of 8 5/8" OD wash pipe. Ran 2 jts. of 7 3/8" OD wash pipe on two 4½" OD drill collars and 2 7/8" OD drill collars or rather 2 7/8" OD drill pipe. Washed down from 1245-1294' (top of collars). Washed over two drill collars to top of wash pipe at 1354'. Circulated one hour thru circulating joint above fish. Came out of hole with wash pipe. Ran 3½" OD circulating sub, 3½" OD bumper sub, one set of oil jars and four 4½" OD drill collars and 35 jts. 2 7/8" OD drill pipe. Screwed into fish at 1294'. Started jarring down on fish at 9:30 P.M. No progress. Started up at 10:30 P.M. Still jarring. Have come up the hole 5½'.
- 11-26-67 LOWS rig #25. Unit downs 5:30 A.M. until 6:30 P.M. Ran Dialog

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NEW MEXICO OIL CONSERVATION COMMISSION

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

SUNDRY NOTICES AND REPORTS ON WELLS
(DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN OR PLUG BACK TO A DIFFERENT RESERVOIR.
USE "APPLICATION FOR PERMIT" (FORM C-101) FOR SUCH PROPOSALS.)

1. ☒ OIL WELL ☐ GAS WELL ☐ OTHER	5a. Indicate Type of Lease State ☐ Fee ☒
2. Name of Operator Bronco Oil Corporation	5. State Oil & Gas Lease No.
3. Address of Operator P. O. Box 5114, Midland, Texas	7. Unit Agreement Name
4. Location of Well UNIT LETTER <u>I</u> <u>1980</u> FEET FROM THE <u>south</u> LINE AND <u>660</u> FEET FROM THE <u>east</u> LINE, SECTION <u>21</u> TOWNSHIP <u>23-S</u> RANGE <u>37-N</u> NMPM.	8. Farm or Lease Name <u>Travis</u>
	9. Well No. <u>1</u>
	10. Field and Pool, or Wildcat <u>Teague McKee</u>
15. Elevation (Show whether DF, RT, GR, etc.) <u>3307 DF</u>	12. County <u>Lee</u>

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

PERFORM REMEDIAL WORK ☐
TEMPORARILY ABANDON ☒
FULL OR ALTER CASING ☐

PLUG AND ABANDON ☐

CHANGE PLANS ☐

OTHER ☐

SUBSEQUENT REPORT OF:

REMEDIAL WORK ☐

COMMENCE DRILLING OPS. ☐

CASING TEST AND CEMENT JOB ☐

OTHER ☐

ALTERING CASING ☐

PLUG AND ABANDONMENT ☐

17. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work) SEE RULE 108.

Re-entry operations were initiated on the subject well on 6 November 1967. The well was cleaned out to 4854' and an 8-5/8" wash pipe was stuck at 4270'. Operations have been temporarily suspended. It is anticipated that re-entry operations are expected to be resumed within 60 days.

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

SIGNED [Signature] TITLE Vice President DATE 12 December 1967

APPROVED BY _____ TITLE _____ DATE _____

CONDITIONS OF APPROVAL, IF ANY:

RECEIVED DEC 16 1967

CHRONOLOGICAL WELL HISTORYWell Name Travis #1Page # 3

free point indicator. Found drill pipe at 1349'. Ran back off shot at 1346'. No back off. Ran second shot. No back off. Ran third shot at 1324'. Backed off. Left 1 drill collar and wash pipe in hole. Ran 3 1/4" circulating sub, one 3 1/2" bumper sub., 1 set of oil jars and six 5 1/2" drill collars. Shut down rig due to light plant failure.

11-27-67 Went in hole with drill collars, accelerator sub, bumper sub and jars and ran into bridge at 345'. COOH. Put on 8 3/4" OD bit. Conditioned mud and drilled out bridges at 345' and circulated down to 600' where drilled out another bridge. Circulated out to 1245'. Circulated 20 min. and COOH. Put on circulating sub, bumper sub and ten 4 1/2" drill collars and an accelerator sub. Hit a bridge at 514'. Washed thru OK, but drill pipe plugged. COOH WMH with bit and washed down to 680'. Washed thru OK, but drill pipe plugged. COOH. WIH with bit and washed down to 680'. Collars plugged. Now COOH prep to clean out collars.

11-28-67 LOWS rig #25. WIH with circ. subs, bumper sub and jars, 1- 4 1/2" DC, accelerator sub on 2 7/8" DP to 1320'. Screwed into fish. Jarred on fish. Jars quit operating. Stand by for light plant until 10:30 P.M. Ran dialog to free point at 1320'. Backed off at 1319. COH Left one collar. GIH with new jars. 6 hrs. down time on rig due to light plant trouble.

11-29-67 LOWS rig #25 RAn new oil jars, bumper sub, 10 4 1/2" DC and accelerator sub on 2 7/8" DP to 1319'. Screwed into fish. Jarred on fish for 6 hrs. No movement. RU Dialog. Shot back off shot at 1223'. COH. Laid down all tools, DC and DP. Released rig at 12:00midnight. Left in hole: 6 1/8" bit, 2 DC at 4205'. 3-4 1/2" DC at 3951'. 1 jt. wash pipe, 3' sub and circ. sub, 1 jt. 4 1/2" DP at 1323'.

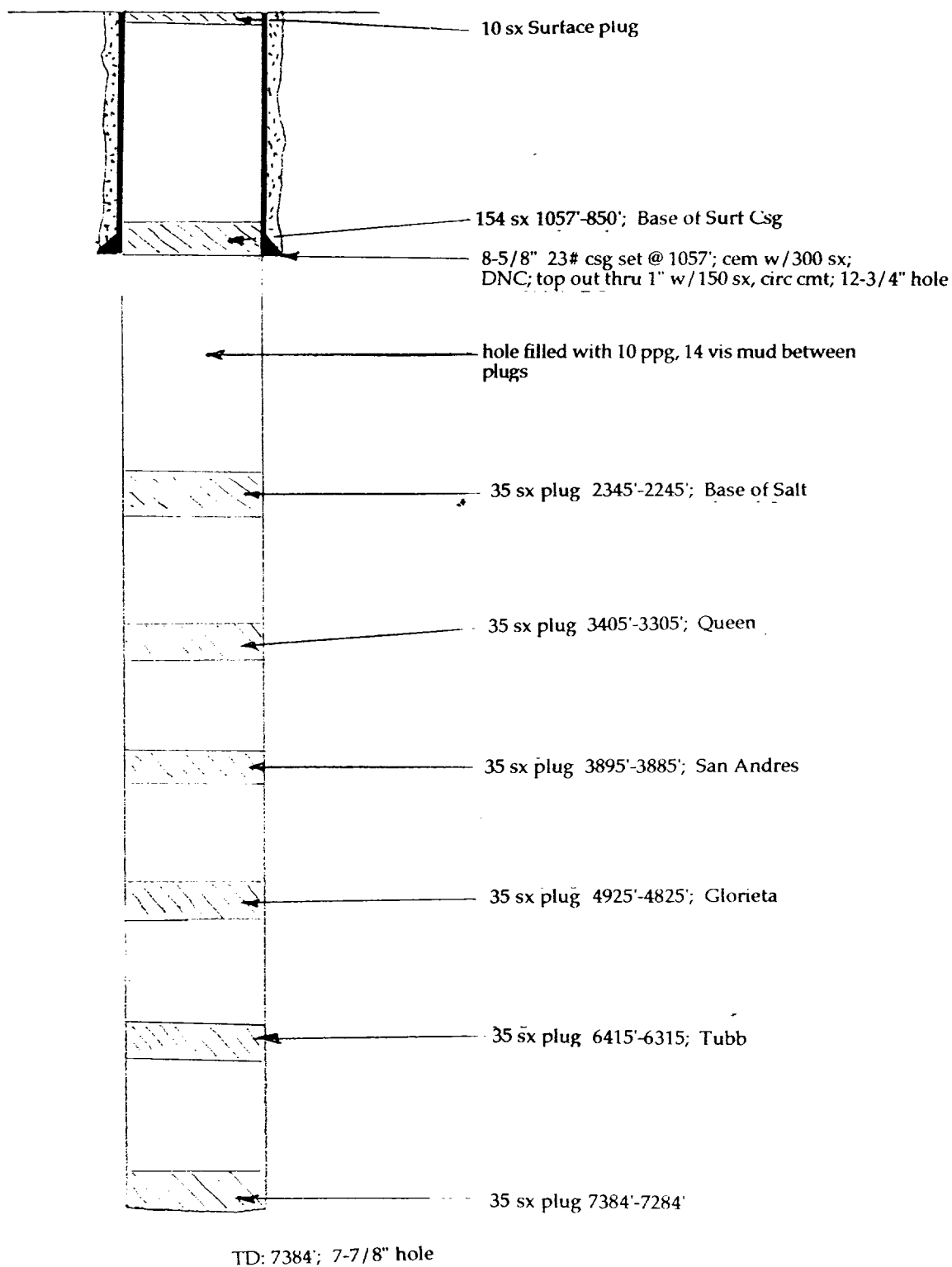
11-30-67 LOWS Rig #25 RD TA.
Rigging down service rig.

12-1-67 Temporarily abandoned.

12-2-4-67 WORT.

12-5-67 Temporarily abandoned. Will re-enter at a later date. OFF REPORT. until operations resumed.

12-6-67 OFF REPORT.



ARCH PETROLEUM
C. E. LAMUNYON NO. 79
FORM C-108, ITEM VI

D & A DIAGRAM
V-F PETROLEUM
Saltmount No. 1
Sec 21, 23-S, 37-E
Lea County, NM

03/05/73 15:32 5053935388

OIL REPORTS

001

Post-it Fax Note

7671

Date

of pages

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From

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ERVATION COMMISSION

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

SUNDRY NOTICES AND REPORTS ON WELLS

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

1. OIL WELL ☒ GAS WELL ☐ OTHER ☐	7. Unit Agreement Name
2. Name of Operator V-F Petroleum Inc.	8. Farm or Lease Name Saltmount
3. Address of Operator Suite 580, One Marienfeld Place, Midland, Texas 79701	9. Well No. 1
4. Location of Well UNIT LETTER P 330 FEET FROM THE FEL LINE AND 990 FEET FROM THE FSL LINE, SECTION 21 TOWNSHIP 23S RANGE 37E NMPM.	10. Field and Pool, or Wildcat Teague Devonian
15. Elevation (Show whether DF, RT, GR, etc.) 3291' GL 3301' DF	12. County Lea

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

PERFORM REMEDIAL WORK ☐PLUG AND ABANDON ☐REMEDIAL WORK ☐ALTERING CASING ☐TEMPORARILY ABANDON ☐COMMENCE DRILLING OPS. ☐PLUG AND ABANDONMENT ☒PULL OR ALTER CASING ☐CHANGE PLANS ☐CASING TEST AND CEMENT JOB ☐OTHER ☐

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

- Spudded well 7-27-80. Drilled 1058' of 12-3/4" hole. Set 1057' 8-5/8", 23# surface casing. Cemented w/300 sx HOWCO Lite, 200 sx Class "C". Cement did not circ. Ran 1" pipe to 100', tagged cement. Pulled up to 90' and cemented top w/150 sx. Cement did circulate to surface.
- Tested BOPS and surface casing to 2000 psi for 30 min, pressure held.
- Drilled 7-7/8" hole to 7384'. Had no difficulty except for fluid seeps during drilling.
- Ran one DST 7285-7385', had no shows. Ran Gamma Ray Neutron Density logs.
- Filled hole w/10.0#, 42 Vis, 14cc WL mud and set plugs as instructed by NMOCC.
- Plugs were set as follows:
#1 TD 7384-7284' - 35 sx; #2 Tubb 6415-6315' - 35 sx; #3 Glorieta 4925-4825' - 35 sx; #4 San Andres 3895-3885' - 35 sx; #5 Queen 3405-3305' - 35 sx; #6 Base of Salt 2345-2245' - 35 sx.
- Base of surface casing 1057-957' - 100 sx. Tagged up 8 hrs, later found top of plug @ 1060'. Put in an additional 54 sx and waited 12 hrs. Ran HOWCO wireline, found top of plug @ 850'.
- Plug at surface - 10sx.
- Erected dry hole marker, filled cellar. Pits are fenced - will be backfilled when they dry out.

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

SIGNED

TITLE President

DATE 8-27-80

APPROVED BY

TITLE

OIL & GAS INSPECTOR

JAN 21 1981

ITEM VII

OPERATIONAL DATA

- (1) Average expected injection rate: 900 BWPD; maximum anticipated rate: 1500 BWPD
- (2) Closed system
- (3) Estimated average injection pressure: 900 psi.
Estimated maximum pressure: 1200 psi
- (4) Source of injection water: Paddock zone produced water from surrounding area wells

- (5) Analysis of injection zone water attached.
Data source: NA

ITEM VIII

GEOLOGICAL DATA

INJECTION ZONE

Lithological description: Tan to brown fine to medium crystalline dolomite, wackstone to mudstone, intercrystalline & vugular porosityGeological name: PaddockZone thickness: 130 ft.; Depth: 5098 ft.

FRESH WATER SOURCES

Geological name: Santa RosaDepth to bottom of zone: ±800 ft.

ITEM IX

STIMULATION PROGRAM

ACIDIZE:

Volume: 6000 gals Type acid: 15% NeFeRate: 6 BPM; Misc. _____

FRACTURE:

Fluid volume: _____ gal.; Type: _____

Prop type: _____ Volume (#): _____

Rate: _____ BPM; Conductor: _____ in.

Misc. _____

ITEM X

LOGGING PROGRAM

Logging program included: GR, DLL, CNL, LDT, CBL
Copy of _____ log included in attachments

ITEM XI

FRESH WATER ANALYSIS

Fresh water well within 1 mile radius; _____ Yes XX No
Chemical analysis from well(s) located: _____
Date sampled: _____
Chemical analysis from well(s) located: _____
Date sampled: _____

ITEM XII

HYDROLOGY

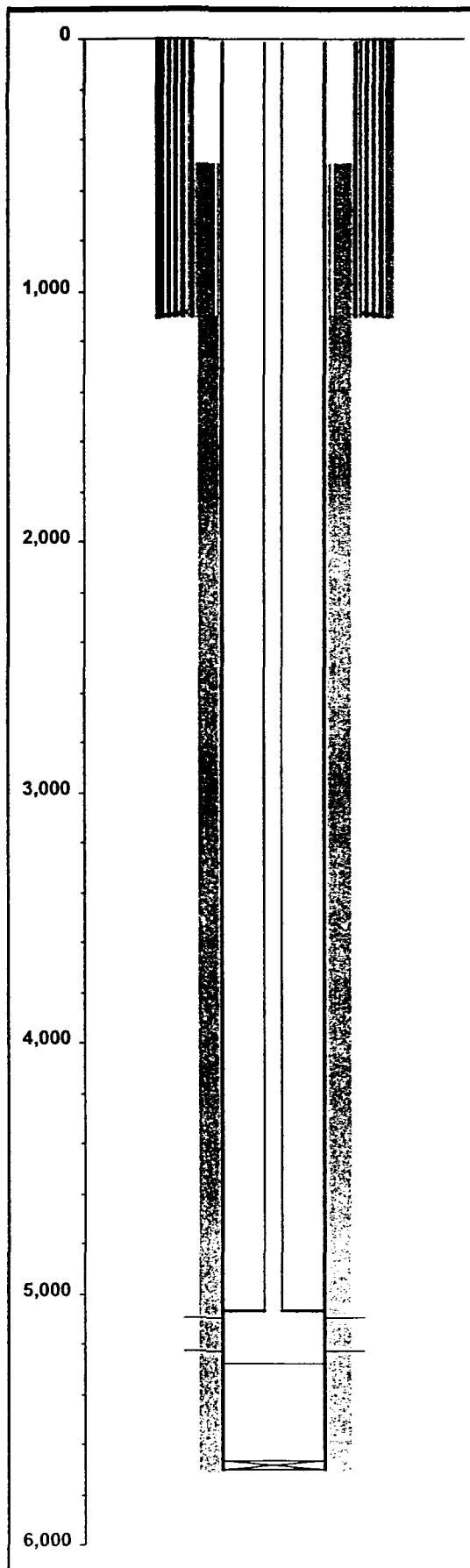
Various engineering data and area well logs reveal no evidence that there might exist hydrologic connection between the intended injection zone(s) and possible fresh water zone (Santa Rosa) above 800'

Wellbore Schematic

LAMUNYON, C E # 079

Wellbore ID #: A701442

Printed: 3/29/2001



1700' FNL & 10' FEL	GL Elev:	
Sec,Blk,Sur(Lbr,Lge,Sur)or(Sec,Twn,Rng): 21, 23S, 37E	Fill Depth:	
County, State: LEA, NM	PBTD:	5,960.00
Aux ID (API, etc.): PENDING	TD:	6,000.00
KB = 13; DF = ; All Depths Corr To: KB	BOP:	

Hole Size

Diameter	Top At	Btm At	Date Drilled
12.2500	0.00	1,100.00	
7.8750	1,075.00	5,700.00	

Surface Casing

Date Ran:

Description	#	Diameter	Weight	Grade	Length	Top At	Btm At
Casing	1	8.6250	24.00	J55	1,087.00	13.00	1,100.00

Production Casing String 1

Date Ran:

Description	#	Diameter	Weight	Grade	Length	Top At	Btm At
Casing	1	5.5000	15.50	K55	5,687.00	13.00	5,700.00

Cement

# Sx	Class	Weight	I D	O D	Top At	Btm At	TOC Per
550			8.625	12.250	0.00	1,100.00	Circ
1275			5.500	7.880	1,100.00	5,700.00	Circ
400			5.500	8.625	500.00	1,100.00	CBL

Perforations

Top	Bottom	Status	Opened	Closed	# / Ft	Ttl #	Open Hole?
5,098.00	5,228.00	A			4	520	
PADDOCK							

Wellbore Plugs and Junk

Top	Bottom	Type	Diameter	Solid	Date
5,275.00	5,278.00	CIBP	5.500	Yes	
5,660.00	5,700.00	FC	5.500	Yes	
SHOE JOINT					

Tubing String 1

Date Ran: 3/28/2001

Description	#	Diameter	Weight	Grade	Length	Top At	Btm At
Tbg Sect 1	163	2.8750	6.50	J55	5,050.00	13.00	5,063.00
Packer	1	5.5000			6.00	5,063.00	5,069.00

NI PLATED ARROWSET

INJECTION WELL DATA SHEET

OPERATOR: Arch Petroleum Inc.

WELL NAME & NUMBER: C, E, Lamunvon #79

WELL LOCATION: 1700' FNL & 10' FEL
FOOTAGE LOCATIONH
UNIT LETTER21
SECTION23S
TOWNSHIP37E
RANGEWELLBORE SCHEMATICWELL CONSTRUCTION DATASurface Casing

Hole Size: _____ Casing Size: _____

Cemented with: _____ sx. or _____ ft³

Top of Cement: _____ Method Determined: _____

Intermediate Casing

Hole Size: _____ Casing Size: _____

Cemented with: _____ sx. or _____ ft³

Top of Cement: _____ Method Determined: _____

Production Casing

Hole Size: _____ Casing Size: _____

Cemented with: _____ sx. or _____ ft³

Top of Cement: _____ Method Determined: _____

Total Depth: _____

Injection Interval

5098 feet to 5228

(Perforated or Open Hole; indicate which)

INJECTION WELL DATA SHEETTubing Size: 2-7/8 Lining Material: Plastic or PolycoreType of Packer: ArrowsetPacker Setting Depth: 5050

Other Type of Tubing/Casing Seal (if applicable): _____

Additional Data

1. Is this a new well drilled for injection? XX Yes No

If no, for what purpose was the well originally drilled? _____

2. Name of the Injection Formation: Paddock

3. Name of Field or Pool (if applicable): Teague Paddock Blinebry

4. Has the well ever been perforated in any other zone(s)? List all such perforated intervals and give plugging detail, i.e. sacks of cement or plug(s) used. No

5. Give the name and depths of any oil or gas zones underlying or overlying the proposed injection zone in this area: _____

Queen 3350' - 3650'

Blinebry 5300' - 5900'

AFFIDAVIT OF PUBLICATION

State of New Mexico,
County of Lea.

I, KATHI BEARDEN

Publisher

of the Hobbs News-Sun, a newspaper published at Hobbs, New Mexico, do solemnly swear that the clipping attached hereto was published once a week in the regular and entire issue of said paper, and not a supplement thereof for a period.

of 1

weeks.

Beginning with the issue dated

May 13

2001

and ending with the issue dated

May 13

2001

Kathi Bearden

Publisher

Sworn and subscribed to before

me this 14th day of

May

2001

Jodi Benson

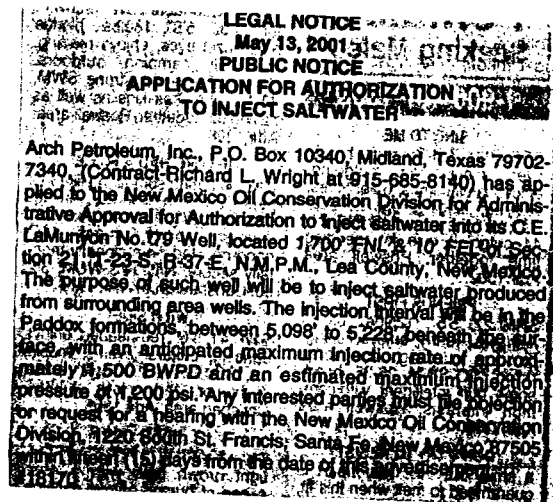
Notary Public.

My Commission expires
October 18, 2004.

(Seal)



This newspaper is duly qualified to publish legal notices or advertisements within the meaning of Section 3, Chapter 167, Laws of 1937, and payment of fees for said publication has been made.



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01548314

Arch Petroleum
P.O. Box 10340
MIDLAND, TX 79702