

CERTIFIED MAIL
RETURN RECEIPT REQUESTED



June 10, 1983

Mr. Joe D. Ramey State Oil Conservation Division P. O. Box 2088 Santa Fe, New Mexico 87501 Mr. Jim Baca Commissioner of Public Lands P. O. Box 1148 Santa Fe, New Mexico 87501

Re: Application for Authorization to Inject SXT Bough "C" Unit No. 2 1980' FNL and 660' FWL Section 27, T10S, R33E Lea County, New Mexico

Gentlemen:

Enclosed is Application for Authority to Inject Salt Water into the subject well. Also enclosed are logs and data packages required on the C-108.

We respectfully request approval of our application. Please contact us at the letterhead telephone number, collect, advising if anything further is needed in connection with this Application. Please contact Mr. Ron Sentz of our Engineering Department if additional technical information is required.

Very truly yours,

Helen G. Wood District Landman

HGW:1ks Enclosures

cc: Mr. Carl L. Johnson P. O. Box 918

Tatum, New Mexico 88246

APPLICATION FOR AUTHORIZATION TO INJECT:

- I. Disposal.
- II. Southern Union Exploration Company of Texas CONTACT: Ronald M. Sentz Suite 400, Texas Federal Savings Bldg. OFFICE: 214-742-6051 1217 Main Street HOME: 214-775-2027 Dallas, Texas 75202
- III. A.
 - (1) SXT Bough "C" Unit #2 660' FWL & 1980' FNL Sec 27, T10S, R33E
 - (2) Drilled 17 1/2" hole with rotary rig to 428'. Set 428' of 13 3/8", 61#/ft, J-55, ST&C casing on 7/20/81. Cemented with 420 sacks of Class "C" cement with 2% CaCl₂, circulated 40 sacks to surface. Tested casing to 500# for 15 minutes with no pressure loss.

Drilled with 12 1/4" bit to 433', 5' of new hole; tested casing to 1500# for 30 minutes, no leak off. Drilled 12 1/4" hole to 3975' and set 9 5/8" J-55 ST&C 36# and 40# casing to 3975' on 8/5/81. Cemented using 1750 sacks of Halliburton lite with 15#/sack salt + 5#/sack gilsonite + 1/4#/sack flocele + 2% CaCl₂, circulated 50 sacks to surface. Tested casing to 1500# for 20 minutes, no leaks.

Drilled out to 3980' with 7 7/8" bit and tested to 1000# for 15 minutes with no leak off. Drilled 7 7/8" hole to 9668' and set 9668' of 17#, N80 LT&C casing; cemented with 500 sacks of Class "H" with 4000# salt + 282# of Halad 22-A on 9/18/81. Tested casing to 1500# for 15 minutes, held OK.

Ran cased hole Cement Bond Log, Collar Locator, Gamma Ray on 10/2/81, found cement top at 7888'.

- (3) The tubing to be used will be 2 7/8", 6.4#/ft, N80, seal lok. The tubing will have plastic linings inserted and sealed in each joint. The 2 7/8" tubing will be set to a depth of 9550'.
- (4) A 2 3/8" x 5 1/2" Guiberson Uni VI packer with 2 3/4" x 2 3/8" F-1 on and off seal connector will be set at 9550'.

В.

- (1) Formation Bough "C"
 Field & Pool Inbe Permo Penn
- (2) Perforations 9622' to 9636' 1 SPF for 15 holes (cased).
- (3) This well was originally drilled as an oil well; no commercial quantities of oil or gas were found. SXT feels this would make a good disposal well as the Bough "C" appears depleted.
- (4) The perforations in the Bough "C" which are listed in III B. (2) are the only shots in this well.
- (5) No other gas or oil producing zones have been found on the Electric Logs and none were detected in the drilling samples.

- IV. This is not an expansion of an existing project.
- V. Maps showing 2 mile and 1/2 mile radius circles are attached.
- VI. Schematics are attached.
- VII. (1) 5 loads per day 900 bbls.
 - (2) The system will be open to all on a contractual basis, no one will be able to use the system unless they have a key to the interlock control panel.
 - (3) Under present conditions, there will be no injection pressure. The well will take all water on a vacuum. Tests have shown the bottom hole pressure to be 61#.
 - (4) Sources and a copy of an appropriate analysis of injection fluid and compatibility with the receiving formation if other than reinjected produced water is attached.
 - (5) A chemical analysis of the disposal zone formation water is attached.
- VIII. Appropriate geological data on the injection zone including appropriate lithologic detail, geological name, thickness, and depth is attached.
- IX. The well will be acidized with 2000 gallons of 15% HCl with scale inhibitor and flushed with 2% KCl water. The well will be acidized at 6 month intervals with the same volume and type of acid and flushed with injection water. The acid treatment will be done at any other time that well conditions indicate it is needed.
- X. Appropriate logs and test data are attached.
- XI. A chemical analysis of fresh water from two fresh water wells is attached.
- XII. All Geological & Engineering materials have been reviewed and no evidence of open faults or any hydrologic connection between the disposal zone and any underground source of drinking water were detected.

Roy G. Sharrock

Vice-President & Chief Geologist

Ronald M. Sentz

Drilling & Production Engineer

Richard Thomas

Reservoir Engineer

XIII. There are no other operators that fall within the half mile radius circle; therefore, there are no operators to be notified.

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P 265 310 849 RECEIPT FOR CERTIFIED MAIL

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Applicable Rules for Salt Water Disposal Wells in New Mexico

- Rule 101 Injection of Fluids into Reservoin (Form C-108)

 Parts A, B, C+V are applicable

 Parts E, F+6 are not applicable
- Rule 102 Casing and Cementing of Injection Wells Applicable
- Rule 703 Operation and Maintenance Applicable
- Rule 704 Testing and Monitoring Applicable
- Rule 105 Commencement, Discontinuance and Abandoment of Injection Operations - Applicable
- Rule 106 Records and Reports (C-120-A) Applicable
- Rule 710 Disparition of Transported Produced Water Applicable
- Rule 1120 Monthly Water Disposal Report (Form C-120-A) Applicable

11.	Operator:
	Address:
	Contact party: Phone: つけん
111.	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 detestary
1 V .	Is this an expansion of an existing project? yes no OR CONSERVATION DIVI
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:
	 Proposed average and maximum daily rate and volume of fluids to be injected; Whether the system is open or closed; Proposed average and maximum injection pressure; Sources and an appropriate analysis of injection fluid and compatibility with the receiving formation if other than reinjected produced water; and 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.).
/111.	Attach appropriate geological data on the injection zone including appropriate lithological, geological 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 source 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 source 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 correcto the best of my knowledge and belief.
	Name:Title
	Signature: Date:

DISTRIBUTION: Original and one copy to Santa Fe with one copy to the appropriate Division district office.

111. 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. Alf items must be addressed for the initial well. Alesponses for additional wells need be shown only when differents and commutation should on schematics are denoted to repeate the and
 - (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 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, P. O. Box 2088, Santa Fe, New Mexico 87501 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.

GEOLOGICAL DRILLING REPORT SOUTHERN UNION EXPLORATION COMPANY OF TEXAS

SUSCO STATE 35 #1 LEA COUNTY, NEW MEXICO

> MICHAEL L. DAVIES Staff Geologist

ABSTRACT

The Southern Union Exploration of Texas' SUSCO State #35-1 was spudded on March 20, 1981 and drilled to a total depth of 9944' Logger, 9950' Driller, on July 13, 1981.

The samples were examined by a geologist in the field from 8900' to 9950'. Schlumberger logged the well from 9942' to surface.

Production was indicated and casing set on July 18, 1981.

LOCATION

1980' FSL & 1980' FEL, Sec. 35, T10S-R33E, Lea County, New Mexico

ELEVATION

KB: 4210.51', DF: 4209.51', GL: 4196.51'

CONTRACTOR

BJM Drilling Company, Rig #4
Toolpusher: Alton Willis

Drilling Consultant: Bodie Hooper (Foy Boyd)

SPUD AND COMPLETION DATA

Spud Date: March 20, 1981
Rotary Spud Date: June 5, 1981
Date TD Reached: July 13, 1981
Production Csg set on July 17, 1981

CASING

13 3/8" surface casing set at 404' with 400 sks Class 'C' cement 9 5/8" intermediate casing set at 3990' with 300 sks Class 'C' cement 5-1/2" production casing set at 9953' with 2330 sks Class'H' cement

ELECTRICAL SURVEYS

Schlumberger: DLL/GR/CL from 9942' to 3982'

CNL/FDC/GR/CL from 9940' to surface

Cyberlook from 9925' to 8725'

FORMATION TOPS

Permian	Depth	KB Datum
Anhydrite	19551	+2256'
Yates	2663'	+1548
Queen	3500 '	+ 711 '
San Andres	388 8 1	+ 323'
Glorieta	5378 '	-1167+
Abo	7680 '	-3469+
Wolfcamp	8920'	-4709





	<i>,</i>	Depth	KB Datum
Permo-Penn		96551	-5444
Pennsylvanian			
Bo 'C' TD		9810 ' 9944!	 -5599 -5733 -
EVIATION RECORD		-	· ·

DEV

No.	Degree	Depth
1	3/4	745'
2	1/2	1235'
. m. 3	1/4	1731'
4	1/4	1933'
K 5 : 4210.5°°. DF:	1309.511 G1/2/105.511	2433'
6	3/4	2758 '
	1-1/4	3516¹
8	3/4	3990 '
9	3/4	44851
10	3/4	5094¹
11	3/4	5353 '
12	3/4	6049 '
13	3/4	6573 '
14	3/4	7032 '
15	3/4	7765 '
16	1	8079 '
17	1-1/4	8 08'
18	1-1/4	8708 '
19	1-1/2	8916'
20	1-1/4	9416
21	1-1/4	9849'
22	1-1/4	9950 '

BIT RECORD

No.	<u>Make</u>	Size	Type	Depth Out	Footage	Hours Run
1	HTC	12-1/4	RT	1458	1458	19
2	HTC	12-1/4	C-VWO	2758	825	20 1/2
3	STC	12-1/4	F-3	3355	597	33
_4	SEC	12-1/4	S86-F	3990	645	69-1/4
5	HTC	7-7/8	J33	3990	0	0
6	HTC	7-7/8	J33	5135	1146	55 1/4
7	STC	7-7/8	F-57	8079	2943	202 1/2
.8	SEC	7-7/8	M89-FF	8208	129	35 1/4

03/20/81 MI & RU. Spudded @ 1 PM, 3/19/81. Drilled 16" hole to 28', Caliche & sand.

Accum Cost \$1,020

03/21/81 Drlg @ 70', made 42' in sand & clay. PU water sand @ 60'.

Daily Cost \$720

Accum Cost \$1,740

03/22/81 Reaming 16" hole to 17" hole, water sand. Set 16" pipe @ 70' to shut off water.

03/23/81 * SD for Sunday.

03/24/81 Set 75' of 16" casing to shut off water. Drlg 16" hole to 80'

03/25/81 Drlg @ 110' in red clay, 16" hole.

03/26/81 Drlg @ 145' in sand, made 35'. Drlg a 16" hole.

03/27/81 Drlg @ 165' in red clay.

03/28/81 Drlg @ 185' in red clay, made 20'.

03/29/81 Drlg @ 205' in red clay, made 20'.

03/30/81 No operations.

03/31/81 Pulled 16" pipe, reamed hole. Run 125' of 16" pipe.

04/1/81 Clean out to 205'. Drld to 210' in red bed.

04/2/81 Drlg @ 225' in red clay, 16" hole.

04/3/81 No report.

04/4/81 Drlg @ 255' in blue clay.

04/5/81 Drlg @ 270' in blue clay, made 15'.

04/6/81 No operations, SD for Sunday.

04/07/81 Drlg @ 285' in blue clay, made 15'.

04/8/81 Drlg @ 300 in a 16" hole in blue clay, made 15'.

04/9/81 Drlg @ 315' in red clay, made 15'.

04/10/81 Drlg 16" hole from 315-330' in red clay.

04/11/81 Drlg @ 343' in red clay, in 16" hole, made 13'.

04/12/81 Drlg @ 350' in red clay, in 16" hole, made 7'.

04/13/81 No report. 04/14/81 Drlg @ 362' in 16" hole, in red clay, made 12'.

04/15/81 Drlg @ 379' in blue clay, made 17'.

04/16/81 Drlg @ 395' in 16" hole in blue clay, made 16'.
Will probably run surface pipe 04/17/81.

04/17/81 Drlg @ 402' in 16" hole in blue clay, made 7'.

04/18/81 Run 404' of 13 3/8" pipe. Cemented with 400 sacks of Class "C" cement, 2% cc. Circulated 10 sacks.

04/19/81 Drlg cement from 265-365'. Cement fell back 40'. Will cement 4/20/81 with ready mix.

04/20/81 No report.

04/21/81 Cemented 40' to surface and drilled cement 365-390'. 04/22/81 Drlg cement from 390-401'.

04/23/81 Drlg @ 408' in 124" hole in red clay, made 7'.

04/24/81 Drlg @ 418' in 12½" hole in red clay, made 10'.

04/25/81 Drlg @ 425' in 12½" hole in gray shale, made 7'.

04/26/81 Drlg @ 431' in 12½" hole in gray shale, made 6'.

04/27/81 No report.

04/28/81 Drlg @ 438' in $12\frac{1}{4}$ " hole in gray shale, made 7'. Rig released.

04/29/81 Preparing to move out rig.

04/30/81 No further report until rotary rig moves in.

06/03/81 MI & RU rig. Working on draw works.

06/04/81 Working on rig.

- Day 1 06/05/81 Drlg @ 500' in Redbed, made 25'.

MW 8.3, Vis 29, PH 10, CH 120,000

Bit #1, 12½", OSC 38, in at 475', made 25' in ½ hr (WOB 65,000#, 80 RPM, pump C350, 5½" liner, 50 SPM 1000 psi). Pumping 7.4 BPM.

BHA: Drl collars $20-6\frac{1}{4}$! total 38,000#. 3 point reamer 38' above bit, 3 point reamer 69' above bit, shock sub on top of bit.

 $\frac{1}{2}$ hr test BOP, 4 hrs PU DC, $\frac{1}{2}$ hr drlg 25' cement, $\frac{1}{2}$ hr drlg formation, $18\frac{1}{2}$ hrs rig repairs, tagged cement @ 450', casing shoe set @ 475', 25' of cement on top of casing shoe.

Accum Cost \$12,875

06/06/81 2nd day, Drlg @ 1933' in anhydrite and salt, made 1433' in 184 hrs.

W.O. magnet, lost 2 cones.

Deviation: 3/4° @ 745'

½° @ 1235' ½° @ 1731' ½° @ 1933'

Bit #1, 12½", OSC 3A, in @ 475' out @ 1933', made 1458' in 19 hrs (WOB 50,000#, 80 RPM).

Drlg 18½ hrs, 3/4 hr circ for survey, ½ hr survey, ¼ hr service rig, 3 hrs trip.

Daily Mud Cost \$330 Accum Mud Cost \$330 Daily Cost \$7900 Accum Cost \$25,338

06/07/81 3rd day, Drlg @ 1933' in anhydrite and salt, drlg with brine water.

MW 9.2, Vis 31, PH 10 CH 145,000.

RIH w/10" ID magnet 11 7/16" OD and PU 30 bearings plus other metal parts. No indication of large pieces. RIH w/ OWV bit.

W.O. magnet $2\frac{1}{2}$ hrs, 20 hrs trip, $1\frac{1}{2}$ hrs fishing.

Daily Cost \$7900

Accum Cost \$33,238

06/08/81 4th day, Drlg @ 2653' in anhydrite and salt, made 720' in 15 3/4 hrs, drlg 45.7'/hrs in brine cut mud.

MW 10, Vis 31, PH 12.5, CH 149,000.

Deviation: ½0 @ 2433'.

Bit #2, 12½", OWV, in @ 1933', made 720' in 15 3/4 hrs (60,000# WOB, 90 RPM).
Drlg 15 3/4 hrs, 6 3/4 hrs trip, 1 hr wash to bottom, ½ hr totco.

Daily Mud Cost \$657 Daily Cost \$8300 Accum Cost \$657 Accum Cost \$41,538

06/09/81 Drlg @ 3012' in anhydrite, made 359' w/rate of 20.5'/hr.

Deviation 3/4⁰ @ 2758'

MW 10, Vis 31, PH 12.

Bit #2, out @ 2758', made 825' in 20 1/2 hrs, W.O.B. 60,000#, RPM 80. Bit #3, 12 1/4", F3, made 254' in 12 3/4 hrs., W.O.B. 50,000#, RPM 60.

17 1/2 hrs. drlg, 5 hrs. trip, 1 1/4 hr. wash 60' to bottom, 1/4 hr. service rig.

Daily Mud Cost \$528 Daily Cost \$8,300 Accum Mud Cost \$1,439 Accum Cost \$49,838 06/10/81 Drlg @ 3355' in anhydrite & lime, made 342' @ rate of 17.1'/hr.

Deviation 1 1/2° @ 3240' 1 1/2° @ 3355'

MW 10, Vis 31, PH 12.

20 hrs. drlg, 1 1/2 hrs. trip, 1 1/4 hrs. survey, 1/4 hr. service rig.

Bit #3, out @ 3355', made 597' in 32 3/4 hrs., W.O.B. 50,000#, RPM 60. Bit #4, 12 1/4", S86F.

Daily Mud Cost \$528
Daily Cost \$9,217

Accum Mud Cost \$1,439 Accum Cost \$59,055

06/11/81 Drlg @ 3498' in anhydrite, made 143'.

MW 10, Vis 30, PH 12.

15 1/4 hrs. drlg, 6 1/2 hrs. trip, 2 1/4 hrs. wash & ream 60' to bottom.

Bit #4, made 143' in 15 1/4 hrs., W.O.B. 40,000#, RPM 50.

Daily Mud Cost \$159 Daily Cost \$19,062 Accum Mud Cost \$1,801 Accum Cost \$70,818

06/12/81 Drlg @ 3715' in anhydrite, made 215', rate 9.25'/hr.

MW 10.1, Vis 31, PH 12.

Bit #4, made 360' in 38½ hrs (WOB 50,000#, 60 RPM).

Deviation: 140 @ 3516'.

23½ hrs drlg, ½ hr survey, ¼ hr service rig.

Daily Mud Cost \$159 Daily Cost \$8300

Accum Mud Cost \$1,801 Accum Cos678,218

06/13/81 9th day, Drlg at 3947' in anhydrite, made 232' in 234 hrs, drlg 9.9'/hr.

MW 10.1, Vis 31, PH 12, CH 164,000.

Bit #4, 12½", in at 3355', made 592' in 61 3/4 hrs, 9.8'/hr.

Drlg 234 hrs, 4 hr; service rig, 2 repair stand pipe.

Daily Mud Cost \$160 Daily Cost \$8300 Accum Mud Cost \$1801 Accum Cost \$86,518 06/14/81 Drlg @ 3990' in anhydrite, made 53'.

 $6\frac{1}{2}$ hrs drlg, $1\frac{1}{2}$ hrs circ, $\frac{1}{4}$ hr survey, 6 3/4 hrs trip, 1 hr W.O. fill, $\frac{1}{4}$ hr service rig, $1\frac{1}{4}$ hr RU casing crew and LD machine, $6\frac{1}{2}$ hrs running 9 5/8" casing.

MW 10.5, Vis 34, PH 12, 4% oil.

Deviation: 3/4° @ 3990'.

Bit #4, $12\frac{1}{4}$ ", out @ 3990', made 635' in 68 $\frac{1}{4}$ hrs (WOB 50,000#, 60 RPM).

Daily Mud Cost \$159 Daily Cost \$8900

Accum Mud Cost \$180 Accum Cost \$95,418

06/15/81 Depth 3990'. Running 9 5/8" casing, set @ 3990'.

Cemented 2/1250 sacks of Halliburton lite, 15# salt, 5# gilsonite, ½# flocele, 300 sacks Class "C" 2% chloride. PD @ 1:15 p.m. CST. Plug held 1500# pressure.

Ran 19 joints of 40%, 9 5/8" casing. Ran 76 joints of 36% 9 5/8", shoe joint set @ 3990'. Ran centralizers as per program.

5 hrs running casing, 2 hrs circ and wasing 40' to bottom, 2½ hrs cementing, 1 hr hanging BOP, 5 hrs set slips and W.O. cement, 2 hrs cut 9 5/8" casing, put on wellhead, test same to 1000#, held ok, 6 3/4 hrs rig repairs. Rig released at 11:15 p.m.

Daily Cost \$21,086 Accum Cost \$111,704

[6/16/81 Depth @ 3990' in anhydrite. Down 24 hrs. for rig repair.

Daily Cost \$1,000

Accum Cost \$112,704

06/17/81 Day 13, Drlg @ 3990' in anhydrite. Present operation checking DC in holes.

MW 8.2, Vis 29, PH 12.

Bit #5, 7 7/8" J33, in @ 3990'.

BHA: $4\frac{1}{2}$ "-DP E grade, $4\frac{1}{2}$ " XO connection, 21-DC $6\frac{1}{4}$ " 63,000#, 6 point reamer at bit, shock sub 9' above bit, 3 point reamer 16' above bit, 3 point reamer 53' above bit.

20 hrs rig repair, 2 hrs NU BOP, $\frac{1}{2}$ hrs test BOP to 1000#, ok. $1\frac{1}{2}$ hrs checking DC in hole.

Daily Cost \$12,622

Accum Cost \$123,835

06/18/81 Days 14, Drlg @ 4051' in anhydrite and lime, made 61' in 4½ hrs, rate 13.5'/hr.

MW 8.3, Vis 28, PH 10, CH 12,000.

Bit #5, 7 7/8" J33 in @ 3990' out @ 3990'. Bit #6, 7 7/8" J33 in @ 3990', made f in $4\frac{1}{2}$ hrs (WOB 30,000#, RPM 40).

4½ hrs drlg, 2 hrs checking DC in hole, 1½ hrs cut drlg line, 9½ hrs trip, 2 hrs W.O. magnet, ½ hr fishing, 1 hr trying to work past junk with bit #5 (retrieved ½ of cone from 12½" bit).

Daily Mud Cost \$522 Daily Cost \$11,822 Accum Mud Cost \$3242 Accum Cost \$135,657 06/19/81 Drlg @ 4544' in anhydrite and lime, made 493' in 23 3/4 hrs, 20.75'/hr.

MW 8.4, Vis 28, PH 10, CH 240,000.

Bit #6, 7 7/8" J33,in @ 3990' made 554' in 23 3/4 hrs, WOB 40,000#, 19.6'/hrs.

Drlg 23 3/4 hrs, ½ hr service rig.

Daily Mud Cost \$216

Accum Mud Cost \$3022

Daily Cost \$10,163

Accum Cost \$138,521 -

06/20/81 16th day, Drlg @ 5062' in limestone and sandstone, made 518'.

Deviation 3/4° @ \$485'

MW 8.5, Vis 28, PH 11, Ch1 24,000.

Bit #6, made 1072' in 51 3/4 hrs., W.O.B. 40,000#, RPM 48.

23 1/2 hrs. drlg, 1/2 hr. survey.

Daily Mud Cost \$356 Daily Cost \$8,300 Accum Mud Cost \$3598 Accum Cost \$146,820

06/21/81 Drlg @ 5355' in shale & limestone, made 293'.

Deviation 3/4° @ 5094'

MW 8.2, Vis 85, WL 28, PH 10.5, CH 24,000.

Bit #6, 7 7/8" J33, in @ 3990', out @ 5136', made 1146' in 53 3/4 hrs (40,000# WOI 48 RPM). Bit #7, 7 7/8"F57, in @ 5136', made 219' in 16 3/4 hrs.

18 3/4 hrs drlg, 4½ hrs trip, ½ hr survey, ¼ hr wash 14' to bottom.

Daily Mud Cost \$273 Daily Cost \$8300

Accum Mud Cost \$4636 Accum Cost \$155,120

06/22/81 Drlg @ 5877' in lime and shale, made 522' in 23½ hrs, 22.45'/hr.

MW 8.5, Vis 28, PH 10, CH 104,000.

Deviation: 3/4° @ 5353'.

Bit #7, 7 7/8" F57, in @ 5136', made 741' in 40 hrs (WOB 40,000#, 48 RPM).

23½ hrs drlg, ½ hr totco, ¼ hr service rig.

Daily Mud Cost \$296 Daily Cost \$5328 Accum Mud Cost \$8300 Accum Cost \$163,320 06/23/81 Drlg @ 6310' in lime & shale, made 433'.

Deviation 3/4⁰ @ 6049'

MW 8.5, Vis 28, PH 10.5.

23 1/4 hrs. drlg, 1/2 hr. survey, 1/4 hr. service rig.

Bit #7, made 1174' in 63 1/4 hrs., W.O.B. 40,000#, RPM 48.

Daily Cost \$11,430

Accum Cost \$167,451

06/24/81 Drlg @ 6527' in lime & shale, made 217' w/rate of 14.23'/hr.

MW 9, Vis 28, PH 10.5.

15 1/2 hrs. drlg, 1/4 hr. service rig, 8 1/4 hr. down (replace stand pipe & derrick).

Bit #7, made 1391' in 78 3/4 hrs., W.O.B. 40,000#, 48 RPM

23 1 2 hrs. drlg, 1/2 hr. survey.

Daily Mud Cost \$290 Daily Cost \$8,300 Accum Mud Cost \$5,801

06/25/81 Drlg @ 6888' in lime & shale, made 361', rate of 16.36'/hr.

Deviation 3/4⁰ @ 6573'

MW 9, Vis 28, PH 10.5.

Bit #7, made 1752' in 102 1/4 hrs., W.O.B. 40,000#, RPM 48.

23 1/2 hrs. drlg, 1/2 hr. survey.

Daily Mud Cost \$295 Daily Cost \$10,200 Accum Cost \$6250 Accum Cost \$171,351

06/26/81 Drlg @ 7230' in lime & shale, made 342' w/rate of 14.14'/hr. Day 22

Deviation 3/4⁰ @ 7032'

MW 9.1, Vis 28, PH 10.5

Bit #7, made 2094' in 125 1/2 hrs., W.O.B. 40,000#, 48 RPM.

23 hrs. drilling, 1/2 hr. survey, 1/2 hr. service rig.

Daily Mud Cost \$330 Daily Cost \$11,400

Accum Mud Cost \$7,281 Accum Cost \$175,496 06/27/81 23rd day, Drlg @ 7565' in limestone and shale, made 335' in 23 3/4 hrs, 14.5'/hr, mudding up.

Salt gel MW. 9.6, Vis 30, PH 10.5, CH 145,000.

Bit #7, 7 7/8" F57, in @ 5136', made 2429' in 149½ hrs (WOB 40,000#, 48 RPM) 16.3'/123 3/4 hrs drlg, ½ hrs rig service.

Daily Mud Cost \$341 Daily Cost \$8400 Accum Mud Cost \$7353 Accum Cost \$183,486

06/28/81

24th day, Drlg @ 7765', made 20' in 16 hrs, 12.5'/hr.

Mud brine gel, MW 9.8, Vis 33, solids 2%, 5% oil, PH 10.5, CH 148,000. Put in 25 BO yesterday.

Bit #7, 7 7/8" F57, in @ 5136', made 2629' in 166½ hrs (WOB 40,000#, 48 RPM) 15.79'/hr.

16 hrs drlg, $\frac{1}{4}$ hr service rig, 7 3/4 hrs working tight hole, pulled 3 joints and drlg back to bottom (also tight).

Daily Mud Cost \$386 Daily Cost \$9700 Accum Mud Cost \$9256
Accum Cost\$193,186

06/29/81

25th day, Drlg @ 7856' in abo shale, made 91' in 11½ hrs, 8.1'/hr.

Salt gel, MW 10, Vis 36, solids 3%, oil 5%, PH 10, CH 148,000.

Deviation: 3/4° @ 7765'.

Bit #7, 7 7/8" F57, in @ 5136', made 2719' in 176 3/4 hrs (WOB 40,000#, RPM 48) 15.38'/hr.

11½ hrs drlg, 11½ hrs TIH for DP, 25 stands, working tight hole back to bottom, 1 hr totco, 1½ hrs service rig.

Daily Mud Cost \$410

Accum Mud Cost \$10,335

Daily Cost \$8300

Accum Cost \$201,487

06/30/81

26th day, Drlg @ 8060' in abo shale, made 204', 8.25'/hr.

MW 9.5, Vis 37, PH 10.5.

23 3/4 hrs drlg, ½ hr service rig.

Bit #7, made 2923' in 2001/4 hrs (WOB 40,000#, 48 RPM).

Daily Mud Cost \$412 Daily Cost \$8300 Accum Mud Cost \$10,735 Accum Cost \$209,786 07/01/81 Day 27, Drlg @ 8109' in abo shale, made 49' in 124 hrs.

Salt water gel, MW 9.5, Vis 37, solids 4.5%, oil 3%, PH 10, CH 138,000.

Deviation: 1º @ 8079'.

Bit #7, 7 7/8" F57, in @ 5136' out @ 8079', made 2943' in 202½ hrs (WOB 40,000#, 48 RPM). Graded 7 7 1/8. Bit #8, 7 7/8" M89TF, in @ 8079', made 30' in 10 hrs (WOB 30,000#, 48 RPM).

12½ hrs drlg, ½ hr totco, ½ hr service rig, 9½ hrs trip, 1½ hrs cut drlg line. Strap talley 8076.34'.

Daily Mud Cost \$214 Daily Cost \$11,458 Accum Mud Cost \$13,162 Accum Cost \$213,945

07/02/81 28th day, Drlg @ 8194' in abo shale, made 85', 3/57'/hr.

MW 10, Vis 37, oil 2½%, PH 10.

1623.3/4: hrs drlg, % hrs working night hole, pulled 3 joints and orlg broke to bottom (also tight).

Bit #8, made 115' in 33 3/4 hrs (WOB 40,000#, RPM 48).

Daily Mud Cost \$451

Accum Mud Cost \$14,219

Daily Cost \$11,450

Accum Cost \$225,395

07/03/81 29th day, Drlg @ 8263' in the abo, made 69' in 14 hrs, 5'/hr.

Salt water gel, MW 9.7, Vis 36, WL NC, Solids 3.9%, oil 3% PH 10, Chl 9300.

Deviation: 1½0 @ 8208'.

Bit #8, 7 7/8" M89TF in @ 8079' out @ 8208', made 129' in 38½ hrs (WOB 40,000#, 48 RPM). 1/16 out of gauge.
Bit #9, 7 7/8" Reed HPMH, in @ 8208', made 55' in 9½ hrs (WOB 35,000#, 50 RPM) 5.79'/hr.

14 hrs drlg, \(\frac{1}{4} \) hr survey, 8 3/4 hrs trip, 1 jet pits.

Daily Mud Cost \$566 Daily Cost \$12,300 Accum Mud Cost \$14,785 Accum Cost \$237,695

07/04/81 30th day, Drlg @ 8449' in lime and shale, made 186' in 23 3/4 hrs, 7.85'/hr.

Salt water gel, MW 9.7, Vis 33, WL NC, Solids 3.8%, oil 3%, PH 10, YP 18, PV 5, CHL 93,000.

Bit #9, 7 7/8" HPMH in @ 8208, made 241' in 33½ hrs (WOB 35,000#, 60 RPM, 7.25'/hr).

23 3/4 hrs drlg. 4 hr service rig.

Daily Mud Cost \$498 Daily Cost \$8300 Accum Mud Cost \$14,936 Accum Cost \$245,995 07/05/81 31st day, Drlg @ 8615' in lime and shale, made 166' in 23 3/4 hrs, 6.99'/hr.

Salt gel, MW 9.6, Vis 36, WL NC, solids 3.5%, oil 3%, PH 10, CHL 96,000.

Bit #9, 7 7/8" HPMH in @ 8079', made 413' in 57 hrs (WOB 35,000#, 60 RPM, 7.25'/hr).

23 3/4 hrs drlg, ½ hr service rig.

Daily Mud Cost \$5488 Daily Cost \$8300

Accum Mud Cost \$16,467 Accum Cost \$254,295

07/06/81 32nd day, Drlg @ 8850' in shale and lime, made 235', 9.89'/hr.

MW 9.4, Vis 36, PH 9.9, oil 1.8%.

23 1/4 hrs drlg , 3/4 hrs survey and service rig.

Deviation: 1½0 @ 8708'.

Bit #9, made 642' in 80 3/4 hrs (WOB 35,000#, 60 RPM).

Daily Mud Cost \$547 Daily Cost \$8300 Accum Mud Cost \$17,517 Accum Cost \$262,595

07/07/81 Drlg @ 8965' in shale & lime, made 116'.

MW 9.6, Vis 35, FC 3/32, PH 10, oil 1%.

Deviation 1 1/2⁰ @ 8916'

Bit #9, made 709' in 88 hrs., out @ 8916'. W.O.B. 35,000#, 60 RPM. Bit #10, F57, 3/11, in @ 8916', made 49' in 10 1/2 hrs., W.O.B. 40,000#, RPM 50.

14 3/4 hrs. drlg, 1/4 hr. survey, 1/4 hr. service rig, 8 3/4 hrs. trip.

Daily Cost \$12,400

Accum Cost \$274,995

07/08/81 Day 34, Drlg @ 9151' in shale & lime, made 186', rate 7.8'/hr.

MW 9.6, Vis 35, FC 3/32, PH 10.5, oil 1%

23 3/4 hrs. drlg, 1/4 hr. service rig.

Bit #10, made 235' in 34 1/4 hrs., W.O.B. 45,000#, 60 RPM.

Daily Mud Cost \$544 Daily Cost \$8,300

Accum Cost \$18,519 Accum Cost \$283,295

07/09/81 35th day. Drlg @ 9330' in shale & lime, made 179'.

MW 9.5, Vis 34, PH 10, oil .75%

Bit #10, made 414' in 57 3/4 hrs., W.O.B. 40,000#, RPM 60.

23 1/2 hrs. drlg, 1/2 hr. jet shale pits & service rig.

Daily Mud Cost \$535 Daily Cost \$9,265 Accum Mud Cost \$18,753 Accum Cost \$292,560 07/10/81 36th day. Drlg @ 9503' in shale & lime, made 173'.

Deviation 1 1/4⁰ @ 9416'

MW 9.6, Vis 35, FC 1/32, PH 10, oil .75%.

Bit #10, made 507' in 81 hrs., W.O.B. 40,000#, RPM 60.

23 1/4 hrs. drlg, 3/4 hr. service rig & survey:

Daily Cost \$15,473

Accum Cost \$318,033

07/11/81 Day 37, drlg @ 9679' in shale & lime, made 176'.

MW 9.5, Vis 35, FC 1/32, PH 10.

Bit #10, made 763' in 104 3/4 hrs., W.O.B. 40,000#, RPM 60.

23 3/4 hrs. drlg, 1/4 hr. rig service.

Daily Mud Cost \$529 80 3/4 nAccum Mud Cost \$19,5860.

Daily Cost \$8,300 Accum Cost \$326,333

07/12/81 Day 38. Strap out of hole. Geolograph depth 9770'. Pipe strap @ 9849'. Drilled 91' of lime & shale in 15 1/2 hrs.

MW 9.6, Vis 41, WL 9, PH 10.

Bit #10, made 844' in 120 hrs., W.O.B. 40,000#, 60 RPM.

15 1/2 hrs. drlg, 3 hrs. trip, 1/4 hr. survey, 1/4 hr. rig service, 5 hrs. circulating.

Daily Cost \$8,300

Jug V

Accum Cost \$334,633

07/13/81 Day 39, drlg @ 9903' in shale & lime, made 54'.

Deviation 1 1/4⁰ @ 9849'

MW 9.5, Vis 38, WL 12, PH 9.5.

Bit #10, made 899' in 133 1/4 hrs., W.O.B. 40,000#, 60 RPM.

10 hrs. drlg, 7 hrs. trip, 4 hrs. cut drlg line, 1 3/4 hrs. preparing mud line, 3/4 hr. wash to bottom, 1/2 hr. W.O. orders.

Daily Mud Cost \$106 Daily Cost \$9,100 Accum Mud Cost \$23,523 Accum Cost \$343,733 07/14/81 Drlg @ 9950' in shale and lime, made 47' in 9 hrs, 5.22'/hr.

Presently logging, reached TD 2:15 p.m., 7/13/81.

MW 9.5, Vis 46, WL 8, solids 5%, PH 10, Ch 67,000.

Deviation: 1 40 @ 9950'.

Bit #10, 7 7/8" F57 in @ 8916' out @ 9950', made, 946'(WOB 40,000#, 60 RPM). Grade T6, B6, G116.

9 hrs drlg, 6 hrs circ, $\frac{1}{4}$ hr totco, 5 3/4 hrs scrap out of hole, 3/4 hr down time, repair drum chain , 1 hr RU lubricator, 1 hr logging.

Log depth 9944', strap depth 9953.35'.
Received truck load of 13 3/8" pipe for Susco 27 State #1.

Daily Mud Cost \$1355 Daily Cost \$15,067 Accum Mud Cost \$24,878 Accum Cost \$358,880

07/15/81 Day 41, Drlg @ 9950' in lime and shale.

Circ hole to LD DP.

Salt water gel, MW 9.5, Vis 44, WL 8, solids 5%, PH 10, CH 67,000.

Bit #10, running back into hole to circ hole.

19 hrs logging, 4 hrs trip, 1 hr circ.

Fluid caliper log, RIH to 7750'.

Daily Cost \$46,216

Accum Cost \$397,797

07/16/81 TD 9950' in shale and lime.

Running 5½" casing.

MW 9.5, Vis 44, WL 8, PH 10.

7 hrs circ hole, 7½ hrs LD DP & DC, ½ hr down (repair air valve), 1 hr change pipe rams and RU to run casing, 6 hrs run 5½" casing, 2 hrs W.O. set of tongs.

Daily Cost \$8300

Accum Cost \$406,096

07/17/81 Day 42, TD 9950' in shale and lime.

2½ hrs W.O. Cores, 1½ hrs running 5½" casing, 2 hrs washing 8' and circ to bottom, 4½ hrs cementing, 12 hrs circ, 1 3/4 hrs PU BOP and set 5½" slips.

Daily Cost \$52,835

Accum Cost \$451,634

07/18/81

Day 43, TD 9950', RD and moving rig, 4½ hrs. Set 5½" casing and NU well-head. Released rig @ 10:15 a.m.

Daily Cost\$2292

Accum Cost \$453,927

Cementing procedure:

1-FS 1-jt 5½" 17# N80 1-FC 25-jts 5½" 17# N80 1-DV tool 63-jts 5½" 17# N80

1-DV tool

198-jts 5½"17# N80

FS @ 9951.41', 1st DV tool set @ 8990', 2nd DV tool set @ 6850'. Cemented w/2330 sks Class "H" w/1864# salt, 1314# of Halad 26, 6%.

07/.:/81

1st stage, pump 10 BW, 25 bbls of cement, dropped 1st DV plug and opened DV tool, then displaced 230 bbls of mud. Circ for 6 hrs, pumped 10 BW and 117 bbls of cement, dropped send plug and displaced w/210 bbls of mud. Closed 1st DV tool and opened 2nd DV tool and circ 6 hrs. Pumped 10 BW and 319 bbls of cement, dropped closing plug and displaced w/119 bbls of mud. Bumped plug and closed tool with 2108# of pressure. Set slips, waited 5 hrs and cut casing, pipe set with 7000#. Good circ throughout entire job.

07/19/81

Moving out rig.

07/20/81

RD BJM and moved to Susco "27" State #1.

SOUTHERN UNION EXPLORATION COMPANY

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MIDLAND, TEXAS 79701 September 17, 1981



Southern Union Exploration of Texas 1217 Main, Suite 400 Dallas, Texas 75202

Gentlemen:

SXT

The core from your Susco State "27" #1 well in Lea County, New Mexico has been analyzed for porosity, permeability and water and oil saturation as percent pore space occupied. Also, the calculated grain density has been reported. The results are herewith submitted in both tabular and graphic form. The graph is plotted on a scale of 5" to 100' to correlate with electric logs of the same scale.

We appreciate your business and hope the results are satisfactory.

Very truly yours,

L. C. Rocke

L. C. Locke

2 copies to:

Southern Union Exploration of Texas - Dallas

1 copy to:

SEECO - Fayetville, Ark.

1 copy to:

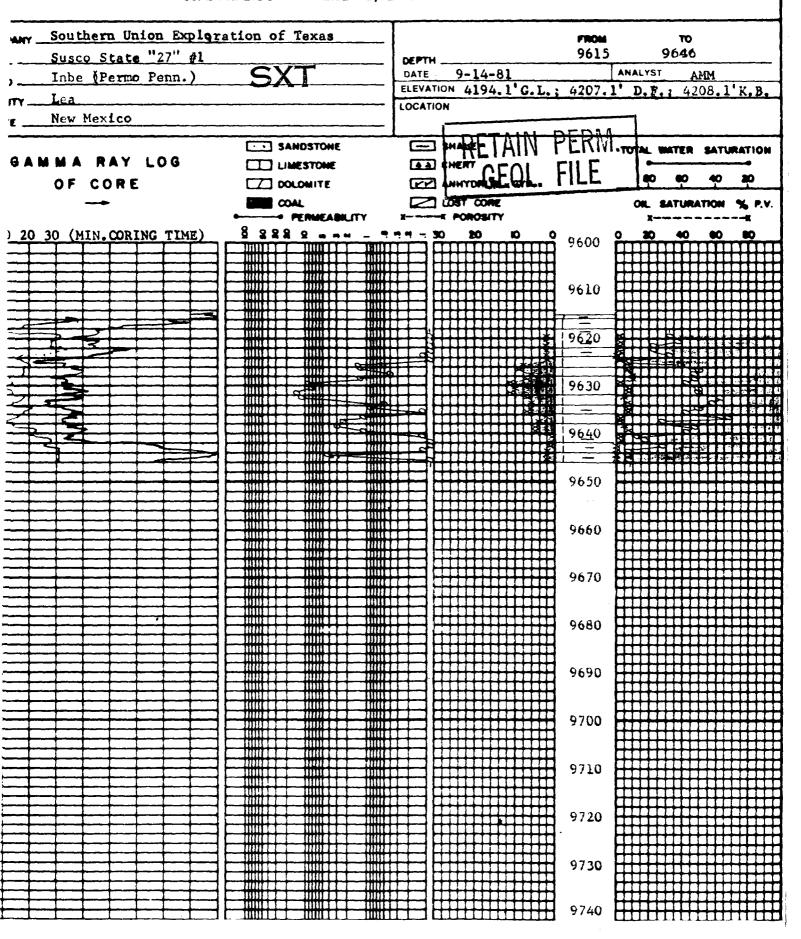
Southern Union Exploration of Texas - Carlsbad, N.M.

Rotary Engineers Laboratory, Inc.

CORE ANALYSIS

MIDLAND, TEXAS

CORE ANALYSIS



Rotary Engineers Laboratory, Inc

CORE ANALYSIS

MIDLAND, TEXAS

CORE ANALYSIS

			,	
APANY Southern Union Explay	ation of Texas		FROM	то
Susco State "27" #1		DEPTH	9615	
Inbe (Permo Penn.)		DATE: 9-14-81		ANALYST AMM
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N		LOCATION		
ATE New Mexico				
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GAMMA RAY LOG	LIMESTONE	(A) CHERT		•
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GEOL FILE

ROTARY ENGINEERS LABORATORIES

WHOLE CORE ANALYSIS TABULAR DATA

СОМР	ANY Southern U	nion as	Expl.	WELL	Susco	State"2			FIELD	Inbe (Per	rmo Penn.)
COUN	TY Lea			STATE	New M	lexico	5		DATE	9-14-81	ANALYST AMM
FORM	ATION Penn			TYPE	ANALYSIS	s Whole	Core				JOB NO. R-6281
REMAR	RKS					ELEV	ATION				
SAMPLE NUMBER	DEPTH	RAT- ING	GRAIN DENS- ITY	PORO- SITY	1	LE CORE SEABILITY 90°	FLUIDS S _W	FLUIE			REMARKS
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One of the steps in analyzing "Full Diameter Cores" is to saturate the core to 100% saturation, then extract the fluids to determine the porosity.

Rotary Engineers Laboratory's procedure is to saturate each sample separately to 1000# PSI with water. The saturation characteristics of each sample can be observed as to volume of water injected, time and pressure required to inject each sample. The characteristics indicate the relative injectability of water as to the formation and we have rated each sample as:

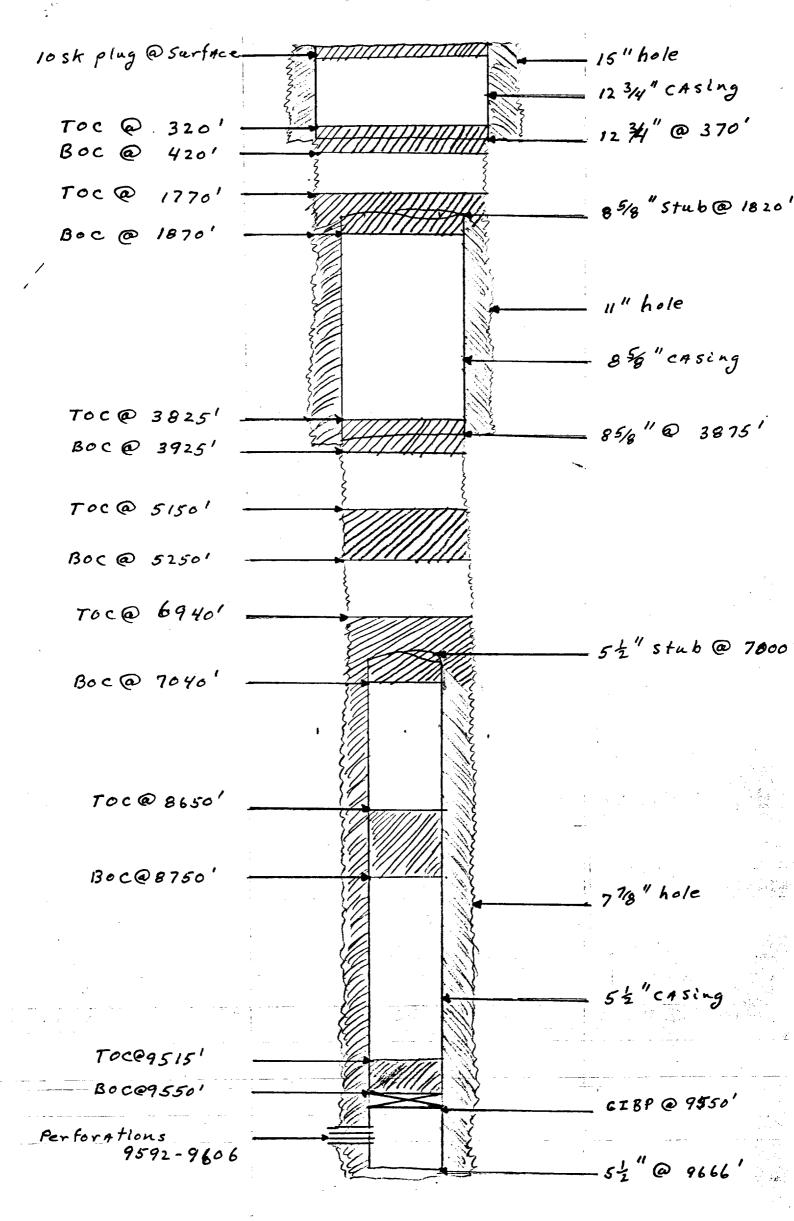
E - Excellent

G - Good

F - Fair

P - Poor

VP - Very Poor



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Form C-	103
Revised	10-1-78

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WELL X 2. Name of Operator Read & Stravens, Inc. 3. Address of Operator P.O. Box 1518, Roswell, NM 88201 2. CONSERVATION DIVISION 4. LOCATION of Well UNIT LETTER A 660 FEET FROM THE North LINE AND 510 FEET FROM THE East LINE, SECTION 28 TOMNSHIP 105 RANGE 33E NAME XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX		
2. Name of Operator Read & Stavens, Inc. Read & Stavens, Inc. S. Address of Operator P.O. Box 1518, Roswell, NM 88201 OIL CONSERVATION DIMISION 10. Field and Pool, or Wildcat UNIT LETTER A , 660 FEET FROM THE North LINE AND 510 FEET FROM THE East LINE, SECTION 28 TOWNSHIP 10S RANGE 35E NAPM ***********************************		7. Off Agreement Name
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3. Address of Operator P.O. Box 1518, Roswell, NM 88201 4. Location of Well UNIT LETTER A , 660 FEET FROM THE North LINE AND 510 FEET FROM THE East LINE, SECTION 28 TOMOSHIP 10S RANGE 33E NAPM XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX	Read & Stevens, Inc.	
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THE East LINE, SECTION 28 TOWNSHIP 10S RANGE 33E NAPM XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX	4. Location of Well SANTA FE	10. Field and Pool, or Wildcat
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XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX	THE Fact LINE SECTION 28 TOWNSHIP 105 RANGE 33E NMP	M XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
Check Appropriate Box To Indicate Nature of Notice, Report or Other Data NOTICE OF INTENTION TO: PERFORM REMEDIAL WORK TEMPORABILLY ABANDON PULL OR ALTER CASING OTHER Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent datas, including estimated date of starting any proposed work) SEE RULE 1105. 1) Set CIBP & 955c' w/30' cant on top of plug. 21. Circulate hole with mud. 3) Spot 100' plug, 25sx, 8750'-8650'. 4) Cut casing off sf + 7000'. Pull casing, TOC & 7800'. 2) Spot 100' plug, 35sx, half in and half out of casing stub. 6) Spot 100' plug, 35sx, half in and half out of 8 5/8" casing shoe & 3875', 3925'-3825'. 8) Cut 8 5/8" casing off & + 1820'. 9) Spot 100' plug, 65sx, 420'-320', across 13 3/8" casing shoe & 370'. 11) Spot surface plug, 10sx, w/dry hole marker, 4"X10', with well description. 1 hereby certify that the information above is true and complete to the best of my knowledge and bellef.		XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
Check Appropriate Box To Indicate Nature of Notice, Report or Other Data Subsequent Remedial Mork Dict of Intention To: PERFORM REMEDIAL WORK THEPORARILY ABANDON CHANGE PLANS CHANGE PLANS COMMENCE ORILLING OPNS. CASING TEST AND CEMENT JOB PLUG AND ABANDONMENT OTHER Describe Proposed or Completed Operations (Clearly state all perfinent details, and give perfinent dates, including estimated date of starting any proposed work) SEE RULE 1103. 1) Set CIBP & 955(" w/30" cmt on top of plug. 2) Circulate hole with mud. 3) Spot 100" plug, 25sx, 8750"-8650". 4) Cut casing off of ± 7000". Pull casing, TOC & 7800". 5) Spot 100" plug, 35sx, helf in and half out of casing stub. 6) Spot 100" plug, 35sx, helf in and half out of 8 5/8" casing shoe & 3875", 3925"-3825". 8) Cut 8 5/8" casing off & ± 1820". 9) Spot 100" plug, 50sx, 1870"-1770", helf in and half out of 8 5/8" casing stub. 10) Spot 100" plug, 65sx, 420"-320", across 13 3/8" casing shoe & 370". 11) Spot surface plug, 10sx, w/dry hole marker, 4"X10", with well description. 1 hereby certify that the information above is true and complete to the best of my knowledge and belief.		
SUBSEQUENT REPORT OF: PERFORM REMEDIAL WORK TEMPORARILY ABANDON PULL OR ALTER CASING OTHER 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. 1) Set CIBP & 9550' w/A' cmt on top of plug. 2) Circulate hole with mud. 3) Spot 100' plug, 25sx, 8750'-8650'. 4) Cut casing off at + 7000'. Pull casing. TOC & 7800'. 5) Spot 100' plug, 35sx, haif in and half out of casing stub. 6) Spot 100' plug, 35sx, haif in and half out of 8 5/8" casing shoe & 3875', 3925'-3825'. 8) Cut 8 5/8" casing off & + 1820'. 9) Spot 100' plug, 55sx, 420'-320', across 13 3/8" casing shoe & 370'. 11) Spot surface plug, 10sx, w/dry hole marker, 4"X10', with well description. 1 hereby cartify that the information above is true and complete to the best of my knowledge and belief.		
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SIGNED Stubby TITLE Drilling & Production Manager DATE 9-30-82	I hereby certify that the information above is true and complete to the best of my k	knowledge and beilef.
TITLE DITTING & Floudertoit Manager DATE 9-30-02	SIGNED (State of Description Management of	DATE 9-30-92
	TITLE DITTING & FROUGTION MANA	1961 PUIE 2-20-02

APPROVED BY ELL W A CONDITIONS OF APPROVAL, IF ANY:

TITLE OIL & GAS INSPECTION DATE OCT 4 1982

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29. 31. Perforation Record (2 JS/F @ 958 9596', 9597', 9603', 9604', 33. Date First Production 5/25/69 Date of Test	70F TOF (Interval, 8', 95 95 98' 96 05'	4# 28# # & L size and 92', , 95 & 9	& 32 # 17# INER RI BO 9593 99' , 606' .	370 3875 9666 ECORD TTOM 1, 959 9600',	RKB RKB RKB SACKS C	PROD	32. DEPTH 9592' UCTION ing - Size ar	30. SIZE 2 3/8 ACID, SHOT, I INTERVAL - 9606! d type pump) Gas - MC	350 s 300 s 400 s	TUBING DEPTH S 9545.8 RE, CEMERAMOUNT AR O gals	NOI NOI NOI NOI RECORD ET PACH 4 9483 HT SQUEEZE, ETC HD KIND MATERIA 15% NE aci Status (Prod. or Sh Producing L Gas—Oil R	ne ne cer set . 21 . USED d
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INSTRUCTIONS

This form is to be filed with the appropriate District Office of the Commission not later than 20 days after the completion of any newly-drilled or deepened well. It shall be accompanied by one copy of all electrical and radio-activity logs run on the well and a summary of all special tests conducted, including drill stem tests. All depths reported shall be measured depths. In the case of directionally drilled wells, true vertical depths shall also be reported. For multiple completions, Items 30 through 34 shall be reported for each zone. The form is to be filed in quin-uplicate except on state land, where six copies are required. See Rule 1105.

INDICATE FORMATION TOPS IN CONFORMANCE WITH GEOGRAPHICAL SECTION OF STATE

	Southeast	New Mexico	Northwestern New Mexico				
T.	Anhy 1810	T.	Canyon	T.	Ojo Alamo	T.	Penn. "B"
T.	Salt1870	T.	Strawn	T.	Kirtland-Fruitland	T.	Penn. "C"
B.		T.	Atoka	T.	Pictured Cliffs	T.	Penn. "D"
T.	Yates 2540	T.	Miss	T.	Cliff House	T.	Leadville
T.	7 Rivers	T,	Devonian	T.	Menefee	T.	Madison
T.	Queen	T.	Silurian	T.	Point Lookout	T.	Elbert
T.	Grayburg	T.	Montoya	T.	Mancos	T.	McCracken
T.	San Andres 3830	T.	Simpson	T.	Gallup	T.	Ignacio Qtzte
T.	Glorieta 5242	T.	McKee	Bas	se Greenhorn	T.	Granite
T.	Paddock	T.	Ellenburger	T.	Dakota	T.	
T.	Blinebry	T.	Gr. Wash	T.	Morrison	T.	
T.	Tubb 6715	T.	Granite	T.	Todilto	T.	
T.	Drinkard	T.	Delaware Sand	T.	Entrada	T.	
T.	Abo 7500	T.	Bone Springs	T.	Wingste	т.	
	Wolfcamp 8750	T.		T.	Chinle	T.	
, T.	Penn. 9585	T.					
T	Cisco (Bough C) 9385	T.		T.	Penn, "A"	T.	

FORMATION RECORD (Attach additional sheets if necessary)

From	To	Thickness in Feet	Formation	From	То	Thickness in Feet	Formation
0	470		Surface Beds				
470	1810		Red Sand & Shale				
. 18 10	1870	1 .	Anhy				
1870	2540		Anhy & Salt				DST #1 9560 - 9666/1 hr.
2540	2650		Sand & Shale				GTS 4 min.
2650	3830		Dol & Anhy			: :	M 27 min.
3830	5242		Dol, Shale & Anhy				O & W 53 min.
5242	5320		_Sand & Shale				Rec 1,004' oil, 90' wtr
5320	6715		Dol, Salt, Anhy & Shale			•	$1\frac{1}{2}$ hr ISIP 1651#
6715	6850		Sand & Shale	ž	ž.]	2 hr FSIP 1626#
6850	7040		Sand, Shale & Anhy				IFP 770#
7040	7500		Anhy, Dol & Shale	-			FFP 1000#
7500	8750	`.	Red & Green Shale & Do			•	IHP 5061#
8750_	-1-9666		Lime & Shale		::		FHP 4997#
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DISTRIBUTION				. 0,	Supersedes Old C-102 and C-103	
SANTA FE	NEW MEXI	CO OIL CONSEF	VATION COMMISSION		Effective 1-1-65	
FILE					<u>N </u>	·····
U.S.G.S.			;	`	5a. Indicate Type of Leas 는 (국구)	l
LAND OFFICE				L	Sigte X	Fee.
OPERATOR					5. State Oil & Gas Lease	No.
·	<u> </u>	<u> </u>			K-6978	***************************************
SUND	PRY NOTICES AND RIPERS AND RIPERS OF TO DE	EPORTS ON W	ELLS			
(DO NOT USE THIS FORM FOR F	ATION FOR PERMIT -" (FORM	C-101) FOR SUCH	\$\$ 100 / 100			7111111
1. OIL 💎 GAS 🗀		• • • • • • • • • • • • • • • • • • •	<u>भेन्यात्मभन्यभाग्य भ</u>	21111	7. Unit Agreement Name	ł
MELL X WELL	OTHER-		<u> </u>		<u> </u>	
2. Name of Operator	•	111	JUN 13 1983		8. Form or Lease Name State "D"	
Charles B. Read				السالا	9. Well No.	
P. O. Box 2126	Doggres 11 N	OIL	CONSERVATION DI	VISION	3, Well 140.	ļ
4. Location of Well	Roswell, N	iew Mexico	SANTA FE		1 10. Field and Pool, or Wi	ldegt
	// 01		E 1 0 1	1	INBE (undesign	3
UNIT LETTER A	560' FEET FROM TH	North_	TIME AND DIO.	FEET FROM	TITITION ADVI	777777
Fo at	20	100	2215			
THE East LINE, SEC	TION 28 TOWN	ISHIP TUS	RANGE	нмрм.		
	15. Elevation	(Show whether DI	RT. GR. etc.)		12. County	444444
				ŀ	Lea	
16.	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,					7777777
	Appropriate Box To	o Indicate Nat	-			4
NOTICE OF	INTENTION TO:		SUBS	EQUENT	REPORT OF:	• • •
						. —
PERFORM REMEDIAL WORK	PLUG ANI		REMEDIAL WORK	H	ALTERING CASI	=
TEMPORARILY ABANDON	******	— I	COMMENCE DRILLING OPNS.	- 첫	PLUG AND ABANI	DONMENT
PULL OR ALTER CASING	CHANGE	PLANS -	CASING TEST AND CEMENT JQ	B (23)		
OTHER			OTHER			
						*
17. Describe Proposed or Completed	Operations (Clearly state a	ill pertinent detail	s, and give pertinent dates	, including e	stimated date of starting (any proposed
work) SEE RULE 1 105.						. •
5-15-69: Ran	301 jts of $5\frac{1}{2}$ ", 1	l5.5# & 17#	f, K-55 & N-80,	, csg -	9685.65' set	
@ 96	66' RKB. Cmt	w/400 sx 5	0/50 Incor Poz.	2% Ge1	& 8# salt/sx.	
	of 1% CFR-2 in 1		_			
	18 hrs. Press		_			
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18. I hereby certify that the informati	on above is true and compl	ete to the best of	my knowledge and helief	-		
77.7						1
MILLEN SLAF			A			•
SIGNED THE TOTAL TOTAL	un	TITLE	Agent		DATE 5-19-6	7
	1) -	- 				
100011	1.					
APPROVED BY	11.00	TITLE			DATE	
/10 -	- Just					
CONDITIONS OF APPROVAL, IF A	NY:					

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SANTA FE	NEW MEXICO OIL CONSERVATION COMMI	C-102 and C-103 SSION Effective 1-1-65
FILE	48 10 12 co 74 reg	14
U.S.G.S.	1	5a. Indicate Type of Lease
LAND OFFICE		State X Fee
OPERATOR.	1	5. State Oil & Gas Lease No.
		K-6978
SUNDF	RY NOTICES AND REPORTS ON WELL TO	
(DO NOT USE THIS FORM FOR PR	RY NOTICES AND REPORTS ON WITH SINGLES OF STREET	4444
1.		7. Unit Agreement Name
OIL X GAS WELL	OTHER-	3 1983
2. Name of Operator	<u>كالأر</u>	8. Form or Lease Name
Charles B. Read	OIL CONSERVA	TION DIVISION State "D"
3. Address of Operator	SANT	A FE 9. Well No.
P. O. Box 2126	Roswell, New Mexico 88201	
		10,71 1810 and 1-001, of Wildell
ong septer <u>a</u>	60" feet from the North Line and 510	(batengiabhn) Ham wan 1991
		
THE LINE, SECTI	ión <u>28</u> Tównsaip <u>105</u> Ránge <u>33</u>	E MAN ANNIN AND AND AND AND AND AND AND AND AND AN
	15. Elevation (Show whether DF, RT, GR, etc.)	12. County
	4//// Unknown	Léa (1141111111111111111111111111111111111
Check	Appropriate Box To Indicate Nature of Notice,	Report or Other Data
	NTENTION TO:	SUBSEQUENT REPORT OF:
April 1980 and Control of the Contro		
PERFORM REMEDIAL WORK	PLUG AND ABANDON REMEDIAL WORK	ALTERING CASING
TEMPORARILY ABANDON	COMMENCE DRILLING	OPNS PLUG AND ABANDONMENT
FULL OR ALTER CASING	CHANGE PLANS CASING TEST AND CE	MENT JOB X OF THE STATE OF THE STATE OF THE SMITH
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<u>ki ja </u>	A STATE OF THE STA	en de la composition de la composition La composition de la
	(C1) 11 1 1 1 1 1 1 1	
17. Describe Proposed or Completed O work) SEE RULE 1 103.	perations (Clearly state all pertinent details, and give pertine	nt dates, including estimated date of starting any proposed
work) SEE RULE 1 103.		
work) SEE RULE 1703. 4-19-69: Ran 1	01 jts 8 5/8", 24#, 28#, 32# FWPS o	- csg, 3880.44' set @
work) SEE RULE 1703. 4-19-69: Ran 1 3875'	01 jts 8 5/8", 24#, 28#, 32# FWPS o RKB. Cmt w/200 sx 50/50 Incor Po	csg, 3880.44' set @ z, 2% gel, 8# salt
work) SEE RULE 1703. 4-19-69: Ran 1 3875'	01 jts 8 5/8", 24#, 28#, 32# FWPS o	csg, 3880.44' set @ z, 2% gel, 8# salt
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work) SEE RULE 1703. 4-19-69: Ran 1 3875' per sx @ 4:30	01 jts 8 5/8", 24#, 28#, 32# FWPS of RKB. Cmt w/200 sx 50/50 Incor Pox & 100 sx 50/50 Incor Poz, 2% cacl, 0 PM. WOC 18 hrs. Press test to 1	csg, 3880.44' set @ oz, 2% gel, 8# salt , 8# salt. Plug down
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<u> </u>	EIVED					Form C-103	
DISTRIBUTIO	N L	_	1,71214			Supersedes Old C-102 and C-103	
SANTA FE		NEW MEXIC	O OIL CONSE	RVATION COMMISSION		Effective 1-1-65	
FILE]	្តីក្នុក		5. 1	,	
U.S.G.S.		1		i e	**.	5a. Indicate Type of Lease	
LAND OFFICE		1			===	State X Fe	. 🗌 📗
OPERATOR		1			-2	5. State Oil & Gas Lease No.	
		-1			•	K-6978	•
	SLINDE	RY NOTICES AND RE	EDODTS ONLY	VELLC			TITI.
38U TON 00)	THIS FORM FOR PRO	OPOSALS TO OPICE OF TO DE	EPEN OR PLUG THE C-101) FOR SUCH	HELL YEAR ATTING	1117 - mary		/////
1.	· · · · · · · · · · · · · · · · · · ·	<u> </u>	1 2	C TO POPE V	भारा	7. Unit Agreement Name	
WELL X	GAS WELL	OTHER-	j		7/11/1	_	
2. Name of Operator			- 11	JUN 13 1983	- -	8. Farm or Lease Name	$\overline{}$
Ch:	arles B. R	ead	7 4	0000		State "D"	1
3. Address of Operate			OIL	CONSERVATION DIV	UQ IQ	9. Well No.	
p.	O. Box 21	26 Roswell	New Me	xico SARANTON DIV	USION	1	
4. Location of Well	0. Don	100000	, 110 W 1110	THE SANTA TE	_	10. Field and Pool, or Wildcat	
	A 6	6601	North	510'			ادد
UNIT LETTER		FEET FROM THE	- 1101111	_ LINE AND	PEET FROM	INBE (undesignat	ea)
		. 20	1.00	∵ 22 E		VIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIII	11111
THE East	LINE, SECTI	ON 28 TOWN	SHIP 1US	33E	NМРМ.	MMMMM	VIII)
mmmm	,,,,,,,,,,		(6)	E PT CD			444
		15. Elevation		F, RT, GR, etc.)		12. County	/////
ĞIIIIII			Unknow	vn		Lea	77777
10.	Check	Appropriate Box To	Indicate Na	ture of Notice, Rep	ort or Oth	er Data	
		NTENTION TO:	. 1	Ÿ -		REPORT OF:	
PERFORM REMEDIAL Y	ORK	PLUG AND	ABANDON	REMEDIAL WORK		ALTERING CASING	
TEMPORARILY ABANDO				COMMENCE DRILLING OPNS.	X	PLUG AND ABANDONME	
PULL OR ALTER CASIN	. 🗂	CHANGE 6	LANS	CASING TEST AND CEMENT J	. X		
				OTHER	- 22		
OTHER							
- VINEN							
				•			
17. Describe Propose	ed or Completed O	perations (Clearly state a	ll pertinent detai	ls, and give pertinent date	s, including	estimated date of starting any p	roposed
17. Describe Propose work) SEE RUL!	ed or Completed O	perations (Clearly state a	ll pertinent detai	ls, and give pertinent date	s, including	estimated date of starting any p	roposed
work) SEE RUL!	E' 1 103.		ll pertinent detai	ls, and give pertinent date	s, including	estimated date of starting any p	roposed
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work) SEE RUL!	Spudded @	10:30 AM.			-		roposed
work) SEE RUL!	Spudded @ Ran 9 jts	10:30 AM.	34#, csg,	371' set @ 370'	RKB.	Cmt w/350 sx	roposed
work) SEE RUL!	Spudded @ Ran 9 jts class H,	10:30 AM. 12 3/4", 8 rd, 2% cacl. Plug	34#, csg, down @ 5	371' set @ 370' PM. Cmt circ.	RKB.	Cmt w/350 sx	roposed
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4-13-69: 18. I hereby certify to signed work) SEE RUL!	Spudded @ Ran 9 jts class H, test to 15	10:30 AM. 12 3/4", 8 rd, 2% cacl. Plug 00# for 30 min.	34#, csg, down @ 5 Test OK	371' set @ 370' PM. Cmt circ.	RKB.	Cmt w/350 sx 18 hrs. Press	roposed
18. I hereby certify to	Spudded @ Ran 9 jts class H, test to 15	10:30 AM. 12 3/4", 8 rd, 2% cacl. Plug 00# for 30 min.	34#, csg, down @ 5 Test OK	371' set @ 370' PM. Cmt circ.	RKB.	Cmt w/350 sx 18 hrs. Press	roposed

HO OF TOPIES RECEIVED				<u></u> '•	-
DISTRIBUTION	77	NEW MEYICO OIL CONS	ERVATION COMMISSION	Form C	-101
SANTA FE	 .	NEW MEXICO OIL CONS		Revised	
FILE	+	[0] Sill	3/3/1/W/3/19	SA. In	dicate Type of Lease
	+				ATE X PEE
v.s.g.s.	+		M 13 1983	\$ Store	e Oil & Gas Lease No.
LAND OFFICE			11 19 1909 IIII	:3. Stat	
OPERATOR		23/2	Carried Carried Carried	<u> </u>	K-6978
		OH CONS	SERVATION DIVISION	3 ())	
APPLICATIO	N FOR PERA	AIT TO DRILL, DEEPEN	I, ORIPLUG BACK		
ia. Type of Work				7. Uni	t Agreement Name
DRILL X			51.110.5	ACK	_
b. Type of Well		DEEPEN	PLUG E	ACK 8. Form	n or Lease Name
OIL X GAS WELL			SINGLE MUL	ZONE St	ate "D"
2. Name of Operator	OTHER		ZONE	20NE 9. Wel	
· 1	-			3, 1102	1
Charles B. R	.ead				1
•	2/ 5	11 37 36 1	0.02.03	ı	eld and Pool, or Wildcat
	26, Rosv	vell, New Mexico	88201	INB	E (Undesignated)
4. Location of Well UNIT LETTE	. A	LOCATED 6601	FEET FROM THE NOT	th_LINE	
+ .					
AND 5101 PEET FROM	THE Eas	it Line of sec. 28	TWP. 10S RGE. 33	E NMPM	
	IIIIIII			12. Co	unty
				//////// L	ea (
HHHHHH	HHHH			milliti	Hillithinn
HHHHHH	444444		19. Proposed Depth 1	9A. Formation	20. Rotory or C.T.
			Y		i i
				Bough "C"	Rotary
21. Elevations (Show whether DF,	RT, etc.) 2	IA. Kind & Status Plug. Bond		i	Approx. Date Work will start
Unknown		Statewide	Cactus Drilling	Corp. N	March 15, 1969
23.					-
•		PROPOSED CASING A	ND CEMENT PROGRAM		
SIZE OF HOLE	SIZE OF C	ASING WEIGHT PER FOO	OT SETTING DEPTH	SACKS OF CEME	ENT EST. TOP
15"	12 3/4		350'	350 sx	Cir. to surfac
11"	8 5/8		3880'	350 sx	2700'
7 7/8"	5 1/2		9750'	250 sx	7900'
1 1/0	5 1/2		7/30	220 37	1 700
		& 17.5#			and the second s
		& 17.5#			
to the second	<u>.</u> . :	& 17.5#			
		& 17.5 #			
		& 17.5#			
		& 17.5 #			
		& 17.5#			
THE		& 17.5#			
THE 24		& 17.5#	53/4	A222000 A	VAL D
THE 2		& 17.5# DEMOS DEMOS C.A.	23/4	APPROVAL.	v.a., D
THE 2. CAS		* 17.5#	23/4	THEOR SO DAYS	UNLESS
THE 24 CAS		& 17.5# 10 UNDER 11 (2.1) 12 TO 11 (2.1)	23/4	APPROVAL FOLSO DAYS DRIVING COM	UNLESS
THE 24 CAS		& 17.5# 101MJU 11 RUM	23/4	THEOR SO DAYS	UNLESS
THE 22 CALL		& 17.5#	23/4	THEOR SO DAYS	UNLESS
THE 22 CAU		& 17.5#	23/4	THEOR SO DAYS	UNLESS
THE 22 CAS		& 17.5#	23/4	THEOR SO DAYS	UNLESS
THE 2. CAS.		& 17.5#	23/4	THEOR SO DAYS	UNLESS
IN ABOVE SPACE DESCRIBE PF	ROPOSED PROGER PROGRAM, IF	RAM: IF PROPOSAL IS TO DEEPEN	23/4	THEOR SO DAYS	UNLESS
IN ABOVE SPACE DESCRIBE PETIVE ZONE, GIVE SLOWOUT PREVENT	IOPOSED PROG ER PROGRAM, IF	RAM: IF PROPOSAL IS TO DEEPER	3/4 OR PLUG BACK, GIVE DATA ON Knowledge and heller	THEOR SO DAYS	UNLESS
	IOPOSED PROG ER PROGRAM, IF	RAM: IF PROPOSAL IS TO DEEPERAMY.	on Plus BACK, Sive DATA ON knowledge and bellef.	THEOR SO DAYS	MENCED, Le Grander E ZONE AND PROPOSED NEW PRODUC
IN ABOVE SPACE DESCRIBE PROTIVE ZONE. GIVE SLOWOUT PREVENT I hereby certify that the information of the state of the stat	IOPOSED PROG ER PROGRAM, IF	RAM: IF PROPOSAL IS TO DEEPER ANY. and complete to the best of my		DRUBLIC COM DRUBLIC COM SEL 5-26 PRESENT PRODUCTIVE	UNLESS
signed Miller Stur	m)	RAM: IF PROPOSAL IS TO DEEPENANY.		THEOR SO DAYS	MENCED, L. G.
	m)	RAM: IF PROPOSAL IS TO DEEPER ANY. and complete to the best of my		DRUBLIC COM DRUBLIC COM SEL 5-26 PRESENT PRODUCTIVE	MENCED, L. G.
signed Miller Stur	m)	RAM: IF PROPOSAL IS TO DEEPENANY. and complete to the best of my Title Age	nt	DRUBLIC COM DRUBLIC COM SEL 5-26 PRESENT PRODUCTIVE	MENCED, L. G.
signed Milver Stur	m)	RAM: IF PROPOSAL IS TO DEEPER ANY. and complete to the best of my	nt	DRUBLIC COM DRUBLIC COM SEL 5-26 PRESENT PRODUCTIVE	MENCED, L. G.
Signed Millell Star	State Upo	RAM: IF PROPOSAL IS TO DEEPENANY. and complete to the best of my Title Age	nt	DRUBLIC COM DRUBLIC COM SEL 5-26 PRESENT PRODUCTIVE	MENCED, L. G.

NEW MEXICO OIL CONSERVATION COMMISSION WELL LOCATION AND ACREAGE DEDICATION PLAT

Form C-102 Supersedes C-128 Effective 1-1-65

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

		All distances must		r boundaries of t		23	<u> </u>
.perator CHA1	RLES B. READ	·	Lease S1	TATE D	• • • •	<u></u>	Well bio.
nit Letter	Section	Township	Pange		County	<u></u>	<i>•</i>
A	28	10 South	33	EAST	LEA:		
Actual Footage Loc		NORTH line of	nd 510	feet	from the EA	AST	line
Ground Level Elev.	Producing Form		Pool			Dedi	icated Acreage:
4196.6	Bough	"C"	Inbe	(Undesign	ated)	N/	2NE/4 80 Acres
	J	ted to the subject	-	·		•	
	an one lease is ad royalty).	dedicated to the v	vell, outline	each and ider	tify the owner in the same	ership thered	of (both as to working
		ifferent ownership nitization, force-po		to the well, h		rests of all JN 13 198	owners been consoli-
Yes	No If an	swer is "ves," typ	e of consolid	lation	OIL CONS	SERVATION SANTA FE	DIVISIO
	is "no," list the o	owners and tract de	escriptions w	hich have ac	tually been c	onsolidated.	(Use reverse side of
							tization, unitization, roved by the Commis-
						~F	OTI SICATION
	1		! !	-, 099			RTIFICATION
	1		i	1	-510'-	tained herein is	that the information con- s true and complete to the
			1		6	Mulle A	rylydgy and belief.
	+		<u> </u>			me	L. Stevens, Jr.
	l 		}		Fe	Agent	
İ	1.		i !		ं उ०	Tharles	B. Read
	1		1		ರಿತ		y 18, 1969
	1		i				
	1				1 1	•	fy that the well-location plat was plotted from field
	#]			under my super	I surveys made by me or vision, and that the same priect to the best of my
	+		- - 1		'	en seuge und	
	! !				1 1	rte Surveyed FEB. 13,	1969
			 		Re		ssional Engineer
			 			John	W. Upst
			7	7		reflecte No.	676
0 330 660 .	90 1320 1660 1980	2310 2640 2	000 1500	1000 80	0 0		-

		1		
•	NO. OF COPTES RECEIVED	NEW MEXICO OIL C	ONSERVATION COMMISSION	
	SANTA FE	REQUEST	FOR ALLOWABLE	Form C-1097 Supersedes_Old C-104 and C-110
	FILE			Effective T=1-65
	U.S.G.S.	AUTHORIZATION TO TRA	NATURAL GULLING TAPTERL G	AS ===
	TRANSPORTER OIL		UJ	Č
	GAS OPERATOR			1ACR
I.	PROPATION OFFICE			5
	Operator Charles B. Read			50
	Address . Read		্রামূর্	TEP (Moster)
	P. O. Box 2126	Roswell, New Mexico	30.5	4-21-11-11-11-11-11-11-11-11-11-11-11-11-
	Reason(s) for filing (Check proper box	Change in Transporter of:	Other (Please explain)	1 13 1983
	Recompletion	Oil X Dry Go	العالم	
	Change in Ownership	Casinghead Gas Conder		EVATION DIVISION
	If change of ownership give name and address of previous owner		3	ANTA FE
**	DESCRIPTION OF WELL AND		81.110	
ш.	DESCRIPTION OF WELL AND	Well No. Pool Name, Including F	/12 /	Lease No.
	State "D"	l INBE (undesig		NCT K-6978
	Location / A 66	Led 11 de 1		D
	Unit Letter A; 66	O Feet From The North Lin	se and 510 Feet From Ti	East
	—Line of Section 28 — Tov	vaship 10S Range	33E , NMPM,	Lea County
11.	DESIGNATION OF TRANSPORT	TER OF OIL AND NATURAL GA	.s	
	Name of Authorized Transporter of Oil	or Condensate	Address (Give address to which approve	**
	Pan American Petro Name of Authorized Transporter of Cas	leum Corp. (trucks)	P. O. Box 1725, Midla Address (Give address to which approve	
	Warren Petroleum C		P. O. Box 1589, Tulsa	
	If well produces oil or liquids,	Unit Sec. Twp. Rge.	Is gas actually connected? When	
	give location of tanks.	A 28 10S 33E	No	30 days
	If this production is commingled wit COMPLETION DATA	h that from any other lease or pool,	give commingling order number:	
	Designate Type of Completion	Oil Well Gas Well	New Well Workover Deepen	Plug Back Same Res'v. Diff. Res'v.
	Date Spudded	Date Compl. Ready to Prod.	X Total Depth	P.B.T.D.
	4/13/69	5/25/69	96661	96251
	Elevations (DF, RKB, RT, GR, etc.) 4196.61 GL	Name of Producing Formation	Top Oil/Gas Pay	Tubing Depth
	Perforations	Bough "C"	95861	9545.841 Depth Casing Shoe
	9588' to 9606'			96661
	HOLE SIZE	TUBING, CASING, AND	DEPTH SET	SACKS CEMENT
	15"	12 3/4"	370 RKB	350 sx
	11"	8 5/8"	3875 RKB	300 sx
	7 7/8"	5 1/2"	9666 RKB	400 sx
V.	TEST DATA AND REQUEST FO	OR ALLOWABLE (Test must be a	fter recovery of total volume of load oil as	nd must be equal to or exceed top allow-
í	OIL WELL Date First New Oil Run To Tanks	able for this de	pth or be for full 24 hours) — Producing Method (Flow, pump, gas lift,	etc.
	5/25/69	5/25/69 .	Flowing	
	Length of Test	Tubing Pressure	Casing Pressure	Choke Size
	24 hrs Actual Prod. During Test	155#	Pkr	32/64 Gae-MCF
	360	240	120	533
	GAS WELL			
- 1	GAS WELL Actual Prod. Test-MCF/D	Length of Test	Bbls. Condensate/MMCF	Gravity of Condensate
<u>.</u>				
	Testing Method (puot, back pr.)	Tubing Pressure (Shut-in)	Casing Pressure (Shut-in)	Choke Size
·* Vt.	CERTIFICATE OF COMPLIANO	TR	OU CONSERVAT	TION COMMISSION
			ABBROVED	e e e e e e e e e e e e e e e e e e e
	I hereby certify that the rules and r Commission have been complied w		APPROVED	, 19
	above is true and complete to the		BY TO	my
	17 1000		TITLE TO THE TOTAL	
			This form is to be filed in co	impliance with RULE 1104.
	toman Hetu		If this is a request for allows	ble for a newly drilled or deepened ed by a tabulation of the deviation
	(Signa Agent	/	tests taken on the well in accord	ance with RULE 111.
	(Tit	le)	All sections of this form must able on new and recompleted well	be filled out completely for allow-
•	5/26/69 (Da	te)	Fill out only Sections I, II.	III, and VI for changes of owner, to other such change of condition.
	100	 ,	Separate Forms C-104 must	be filed for each pool in multiply
4	Company of the Company		completed wells.	
	The state of the s		•	in the second

	•	_ # -1		
	HO-OF COPIES RECEIVED] =		
	DISTRIBUTION	NEW MEXICO OIL C	CONSERVATION COMMISSION	Form C-104
	SANTA FE	REQUEST	FOR ALLOWABLE	Supersedes Old C-104 and C-11
	FILE		AND	Effective 1-1-65
	U.S.G.S.	AUTHORIZATION TO TRA	ANSPORT OIL AND NATURAL	GAS
	LAND OFFICE	<u> </u>	,	1 in 119
	TRANSPORTER GAS			* &J
	OPERATOR	-		
	PROPATION OFFICE	-		,
ı.	Operator			
	Charles	B. Read		
	Address	x 2126, Roswell, New N	Aerico 88201	जिल्लाका करण
	Reason(s) for filing /Check proper box		Other (Ptease explain)	
	New Well	Change in Transporter of:	CHANGE	li nur da saka IIII
	Recompletion	Oil Dry Go		!!!! 13 1983
	Change in Ownership	Casinghead Gas Conde	nsate OK	TO NICE STATE OF THE PARTY OF T
				DANSERVATION DIVISION
	If change of ownership give name and address of previous owner	4-10		SANTA FE
u.	DESCRIPTION OF WELL AND			
-,-	Lease Name	Well No. Pool Name, In Ading F	クラス ディタム ハー	
	State "D"		ignated) State, X3500	K-6978
	Location Unit Letter A : 660	Nowth	510 Table	m. Foot
	Unit Letter A ; 660	Feet From The North Lir	ne and 510 Feet From	The <u>East</u>
	Line of Section 28 To	wnship 10S Range	33E , NMPM,	Lea County
1.		TER OF OIL AND NATURAL GA		
	Note of Authority Transporter of Oil	 -	Address (Give address to which appro	
	Service Pipeline Comp	any	3411 Knoxville Ave.	Lubbock, Texas 79413
	Name of Authorized Transporter of Car		Address (Give address to which appro	
	Warren Petroleum Co		P.O. Box 1589, Tulsa.	Oklahoma 74102
	If well produces oil or liquids, give location of tanks.	Unit Sec. Twp. Rge.	is dus definitify connected?	en
		A 28 10S 33E	<u> </u>	
.,	If this production is commingled with COMPLETION DATA	th that from any other lease or pool,	give commingling order number:	· · · · · · · · · · · · · · · · · · ·
٧.		Oil Well Gas Well	New Well Workover Deepen	Plug Back Same Restv. Diff. Restv.
	Designate Type of Completic	on = (X)		
	Date Spudded	Date Compl. Ready to Prod.	Total Depth	P.B.T.D.
	· · · · · · · · · · · · · · · · · · ·			<u> </u>
	Elevations (DF, RKB, RT, GP, etc.)	Name of Producing Formation	Top Oil/Gas Pay	Tubing Depth
	Perforations	<u> </u>	<u> </u>	Depth Casing Shoe
	Periorations			Depth Casing Shoe
		TURING CASING AND	CEMENTING RECORD	<u></u>
	HOLE SIZE	CASING & TUBING SIZE	DEPTH SET	SACKS CEMENT
÷				
V.	TEST DATA AND REQUEST F	OR ALLOWABLE (Test must be a		and must be equal to or exceed top allow-
	OIL WELL		epth or be for full 24 hours)	
	Date First New Oil Run To Tanks	Date of Teat	Producing Method (Flow, pump. gas li	iji, etc.)
	Length of Test	Tubing Pressure	Casing Pressure	Choke Size
	Cendra of Lee.	I many Liesand		
	Actual Prod. During Test	Oil-Bbis.	Water-Bble.	Gas - MCF
			1	
	<u> </u>		a Perinding and Alexander and	and the second control of the second control
	GAS WELL			
	Actual Prod. Test-MCF/D	Length of Test	Bbls. Condensate/MMCF	Gravity of Condensate
				
<u>.</u>	Testing Method (pitot, back pr.)	Tubing Pressure (Shut-in)	Casing Pressure (Shut-in)	Choke Size
	<u> </u>	<u> </u>	<u></u>	
Ί.	CERTIFICATE OF COMPLIAN	CE TO THE TOTAL	OIL CONSERVA	ATION COMMISSION
			APPROXED 1	19
	Thereby certify that the rules and	regulations of the Oil Conservation with and that the information given)
	-above is true and complete to the	best of my knowledge and belief.	BY Juna	ungan
			Geologist	

(Signature)

(Title)

(Date)

Production Clerk

July 30, 1969

All sections of this form must be filled out completely for allowable on new and recompleted wells.

Fill out only Sections I. II. III. and VI for changes of owner, well name or number, or transporter, or other such change of condition.

This form is to be filed in compliance with RULE 1104.

If this is a request for allowable for a newly drilled or deepened well, this form must be accompanied by a tabulation of the deviation tests taken on the well in accordance with RULE 111.

well name or number, or transporter, or other such change of condition.

Separate Forms C-104 must be filed for each pool in multiply completed wells.

NO. OF COPIES REC	LIVED		
DISTRIBUTION	NC		7
SANTA FE		7	
FILE			
U.S.G.S.			
LAND OFFICE			
TRANSPORTER	OIL		
	GAS		
OPERATOR			
PRORATION OF	ICE		
Operator			

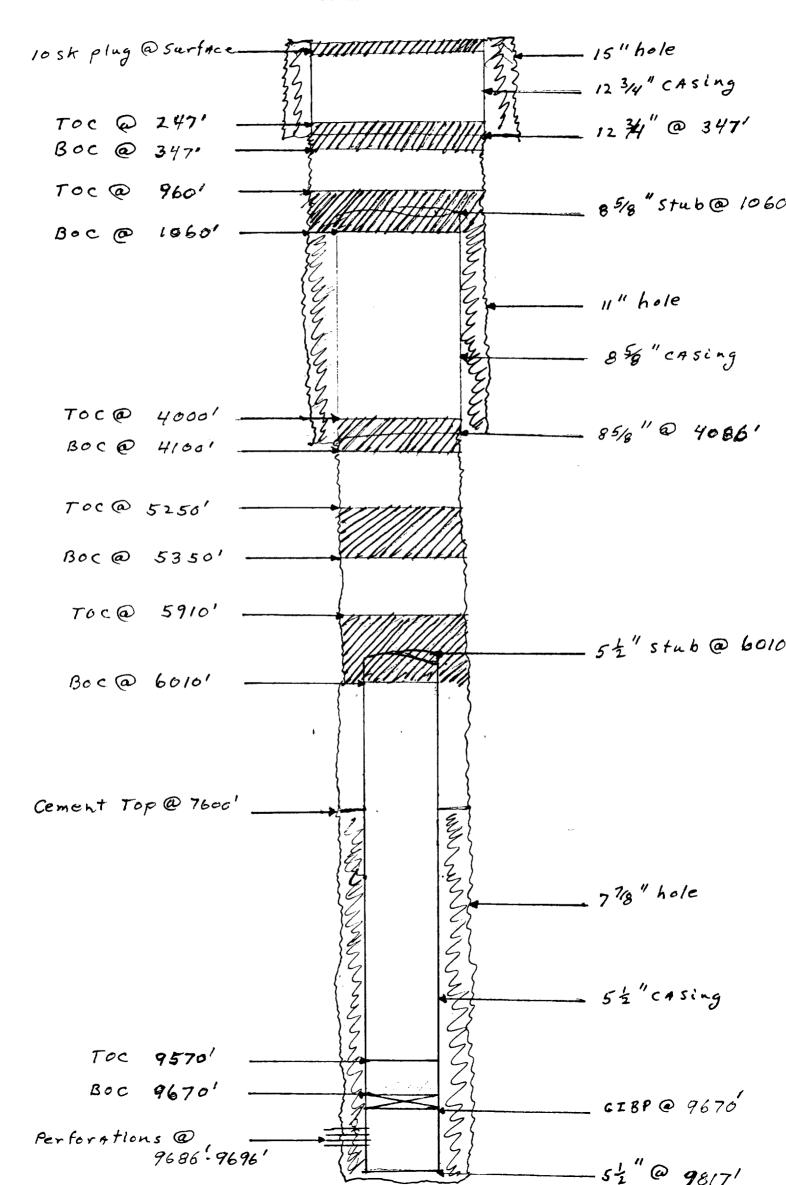
		ז ר	15 73	
	OISTRIBUTION	NEW MEYICO OU	CONSERVATION COMMISSION	
	SANTA FE		FOR ALLOWABLE	Supersedes Old C-104 and C-1
	FILE	4	AND	Effective 1-1-65
	U.S.G.S.	AUTHORIZATION TO TRA	ANSPORT OIL AND NATU	RAL GAS
	TRANSPORTER OIL GAS]	1-1-1 	
	OPERATOR OPERATOR	1		<u>ित्रिक्षराक्षरार ।</u>
1.	PRORATION OFFICE			
2	Read & Stevens, Inc	•		Juli 13 1983
	Address P.O. Box 2126, Ros	well, New Mexico 8820	13	OIL CONSERVATION DIVISION
; }	Reason(s) for filing (Check proper box		Other (Please expla	SANTA FE
şît.	New Well	Change in Transporter of:	Ett	
	Recompletion Change in Ownership	Oil Dry Go Casinghead Gas Conder		e January 1, 1971
	If change of ownership give name and address of previous owner	Charles B. Read, P.O.	Box 2126, Roswell	l. New Mexico 88201
11	•			-, -, -, -, -, -, -, -, -, -, -, -, -, -
	Lease Name	Well No. Pool Name, Including F		of Lease No.
	State "D"	1 Inbe Permo	Penn State,	K-6978
		Feet From The North Lin	se and 510 Fee	t From The East
	Line of Section 28 Tov	wnship 10S Range 33	3E , NMPM,	Lea County
III.	DESIGNATION OF TRANSPORT	TER OF OIL AND NATURAL GA		h approved copy of this form is to be sent)
	l Amoco Pineline Com	nany	i	e Lubbock, Texas 79413
	Name of Authorized Transporter of Cas	singhead Gas 🔀 💮 or Dry Gas 🦳	Address (Give address to which	h approved copy of this form is to be sent)
	Warren Petroleum C	Orp. Unit Sec. Twp. Rge.	P.O. Box 1589,	Tulsa, Oklahoma 74102
	If well produces oil or liquids, give location of tanks.	A 28 10S 33E	1 -	
	If this production is commingled with	th that from any other lease or pool,	give commingling order numb	er:
IV.	COMPLETION DATA	Oil Well Gas Well	New Well Workover Dec	open Plug Back Same Res'v. Diff. Res'v.
	Designate Type of Completic			
	Date Spudded	Date Compl. Ready to Prod.	Total Depth	P.B.T.D.
	Elevations (DF, KKB, RT, GR, etc.,	Name of Producing Formation	Top Oil/Gas Pay	Tubing Depth
	Perforations	<u></u>		Depth Casing Shoe
	HOLE SIZE	TUBING, CASING, AND	D CEMENTING RECORD DEPTH SET	SACKS CEMENT
	HOLE SIZE	CASING & TOBING SIZE	DEF (H 32)	SACKS CEMENT
V.	TEST DATA AND REQUEST FO	OR ALLOWABLE (Test must be a		oad oil and must be equal to or exceed top allow
	OIL WELL Date First New Cil Run To Tanks	Date of Test	pth or be for full 24 hours) Producing Method (Flow, pump	, gas lift, etc.)
			Contraction in the contraction i	Choke Size
	Length of Test	Tubing Pressure	Cosing Pressure	Choice Size
	Actual Prod. During Test	Oil-Bbls.	Water-Bbls.	Gas-MCF
	GAS WELL			
	Actual Prod. Test-MCF/D	Length of Test	Bbis. Condensate/MMCF	Gravity of Condensate
	Testing Method (pitot, back pr.)	Tubing Pressure (Shut-in)	Casing Pressure (Shut-in)	Choke Size
VI.	CERTIFICATE OF COMPLIANCE	CE	OIL CONS	ERVATION COMMISSION
	I hereby certify that the miles and	regulations of the Oil Conservation	APPROVED	, 19
	Commission have been complied washove is true and complete to the	with and that the information given	By Sel.	1 Ames
			TITLE	
				led in compliance with RULE 1104.
	Alle Tus	LER	If this is a request for	or allowable for a newly drilled or deeponed
*	Production Clark	iture)	well, this form must be a	ecompanied by a tabulation of the deviation accordance with RULE 111.
1	Production Clerk (Til	ile)	All sections of this f	orm must be filled out completely for allow-

(Date)

All sections of this form must be filled out completely for allowable on new and recompleted wells.

Fill out only Sections I, II, III, and VI for changes of owner, well name or number, or transporter, or other such change of condition.

Separate Forms C-104 must be filed for each pool in multiply completed wells.



~

NO. OF COPIES	RECEIVED					Form C-103	
DISTRIB	UTION					Supersedes (
SANTA FE		ni	EW MEXICO OIL CONS	ERVATION COMMISSION		C-102 and C- Effective 1-1	
FILE							,
U.S.G.S.						5a. Indicate Typ	e of Lease
LAND OFFIC	ε					State X	Fee 🔲
OPERATOR						5, State Oil & G	as Lease No.
						E9	669
(DO NO:	SU T USE THIS FORM FO USE "APP	NDRY NOTICES OR PROPOSALS TO DRILL LICATION FOR PERMIT	AND REPORTS ON PLUG POR SUG (FORM C-101) FOR SUG	WELLS MACK TO A DIFFERENT RESERVOI TH PROPOSALS.)	R.		
1.	GAS WELL	OTHER•	(3)	विश्वातीय		7. Unit Agreeme	nt Name
2. Name of Oper	rator					8. Form or Leas	e Name
KK/	A Corporation	on	i di p	THE ST WILL		N.M."	CC" St.
3. Address of O		•	اً الله الله	(10)1 10 1000	JU]	9. Well No.	
405	Wall Towe	ers East - M	idland, Texas	CONSERVATION DIVIS		4	
4. Location of	4011				11011	10. Field and Po	•
UNIT LETTE	₈ <u>F</u>	1980	T FROM THE Wes	LINE AND 2086	FEET FROM	Inbe Penn	l
THEN	orth LINE,	SECTION 27	TOWNSHIP		NMPM.		
		15.	Elevation (Show whether 4208 I			12. County Lea	
16.	Che	eck Appropriate	Box To Indicate 1	Nature of Notice, Repo	ort or Oth	ner Data	
•		F INTENTION		-		REPORT OF	:
PERFORM REME	DIAL WORK		PLUG AND ABANDON	REMEDIAL WORK		ALTE	RING CASING
TEMPORARILY A	BANDON			COMMENCE DRILLING OPNS.		PLUG	AND ABANDONMENT
PULL OR ALTER	CASING		CHANGE PLANS	CASING TEST AND CEMENT JO			
				OTHER			
OTHER							
17. Describe Pr work) SEE	roposed or Complet	red Operations (Clea	rly state all pertinent det	 ails, and give pertinent dates	, including	estimated date of	starting any propose
-6-72	Moved in c	sg. pulling	unit		* *		
1-8-72				lge plug. Loaded		·/aal brina	lados
		av brad any	, 3370 OH BHC	ige prug. Loaded	usy. W	// der-prine	radeli
	fluid.	50101 5 ::	1 100 11 = 1				
			ed 109 jts. $5\frac{1}{2}$ "				
				sk plug @5350'-5			
				of 8-5/8" csg.; O' & 55 sk plug @:			ıg
-14-72				cer & cleaned loc		-	

18. I hereby certify that the information above is true and comple	,	
SIGNED Paria Jodivin	TITLE Agent	DATE 12-14-72
APPROVED EN John W. Runyan	Geologist	DATE (1077 9 1974

NO. OF COPIES RECEIVED		Form C-103
DISTRIBUTION		Supersedes Old C-102 and C-103
SANTA FE	NEW MEXICO OIL CONSERVATION COMMISSION	Effective 1-1-65
FILE		
U.S.G.S.		5a. Indicate Type of Lease State X Fee
LAND OFFICE		State X Fee 5, State Oil & Gas Lease No.
OPERATOR		E9669
SHINDS	Y NOTICES AND REPORTS ON WELLS	
(DO NOT USE THIS FORM FOR PRO USE ""APPLICAT	LY NOTICES AND REPORTS ON WELLS PPOSALS TO DRILL OR TO DEEPEN OR PLUG BACK TO A DIFFERENT ABOUNDED. TON FOR PERMIT —" (FORM C-101) FOR SUCH PROPERTY. (1) 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	
1.		7. Unit Agreement Name
OIL X GAS WELL	OTHER-	7.7
2. Name of Operator		8. Form or Lease Name
KKA Corporation 3. Address of Operator		New Mexico "CC" St.
3. Address of Operator	TO THE CONSERVATION DIVIS	9. Well No.
4. Location of Well	- Midland, Texas 79709 CONSERVATION DIVISION SANTA FE	10, Field and Pool, or Wildcat
		•
UNIT LETTER	1980 FEET FROM THE West LINE AND 2086 FE	Inbe Penn
THE NORTH LINE SECTION	ON 27 TOWNSHIP 10-S RANGE 33-E	
THE INCICLL LINE, SECTION	TOWNSHIP TO HANGE 33-E	_NMPM: ()
	15. Elevation (Show whether DF, RT, GR, etc.)	12. County
	4208' DF	Lea
Check	Appropriate Box To Indicate Nature of Notice, Report	
	·	QUENT REPORT OF:
PERFORM REMEDIAL WORK	PLUG AND ABANDON X REMEDIAL WORK	ALTERING CASING
TEMPORARILY ABANDON	COMMENCE DRILLING OPHS.	PLUG AND ABANDONMENT
PULL OR ALTER CASING	CHANGE PLANS CASING TEST AND CEMENT JOB	
	OTHER	
OTHER		
17. Describe Proposed or Completed Opwork) SEE RULE 1103.	perations (Clearly state all pertinent details, and give pertinent dates, in	ncluding estimated date of starting any proposed
worky see Roeg 1103.		
PLUGGING PROCEDURE	2:	
		Cel 11
 30 sk cement plu 	ig @9600' - Perf. 9686-9696; fill hole w/9.5	5 laden fluid. 25-0x 5/100 0013
Top of cement be	whind $5\frac{1}{2}$ " csg. @7600'.	2777
3) Pull $5\frac{1}{2}$ " csg. fro	om approx. 7200'.	
4) 20 sk cement plu	ig on top of $5\frac{1}{2}$ " csg. stub.	plugs 100 in length
5) 20 sk cement plu	g @5350' - top of Glorieta.	plugs /60 in length
	g @4100' - bottom of 8-5/8" csg.	
	from approx. 1000' - 20 sks. cement @ stu	ıb.
	of surface csg. @347'.	-
	11-3/4" csg.; set marker; & clean up locat	ion.
, , , , , , , , , , , , , , , , , , ,	to the total manner, a cream up recar	
	24 hr. notice prior to	cotto a places
	If hr. hotice prior 10 ?	50 1 11 p / 12
	′ /	<i>,</i> ,
18. I hereby certify that the information	above is true and complete to the best of my knowledge and belief.	
e in		
SIGNED 1	Agent Agent	DATE 10-17-72
Landin		307 147
APPROVED BY	THE TITLE	DATE
CONDITIONS OF APPROVAL, IF ANY	: /	
·/	•	

·	
NO. OF COPIES RECEIVED	Form C-1403
DISTRIBUTION	Supersedes Old
SANTA FE NEW MEXICO OIL CONSERVATION COMMISSION	C-102; <u>and</u> C-103 Effective 1-1-65
	© 2.4-03
U.S.G.S.	5a. Indicate Type of Lease
	State Fee
OPERATOR JUN 13 1983	5, State Oil & Gas Lease No.
	E-9669
SUNDRY MOTICES AND DEPORTS ON WELL CONSERVATION DIVISION	miniminimi
SUNDRY NOTICES AND REPORTS ON WELLS (DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN OR PLUG BACK TO A DIFFERENT MEASURE. 1.	
1.	7. Unit Agreement Name
OIL GAS WELL OTHER-	
2. Name of Operator	8, Farm or Lease Name
Humble Oil & Rotg Co. 3. Address of Operator	New Mexico CC State
3. Address of Operator	9. Weil No.
Box 1600 - Midland Texas 79701	4
4. Location of Well	10. Field and Pool, or Wildcat
UNIT LETTER F. 1980 FEET FROM THE W LINE AND ZOSG FEET FROM	Inbe Penn
ONIT LETTER FEET FROM THE LINE AND FEET FROM	
THE LINE, SECTION Z7 TOWNSHIP 10-5 RANGE 33-E NMPM.	
THE LINE, SECTION TOWNSHIP RANGE NMPM.	
15. Elevation (Show whether DF, RT, GR, etc.)	12. County
4208 OF	Leg \\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\
Check Appropriate Box To Indicate Nature of Notice, Report or Otl	os Data
	REPORT OF:
3083290211	REFORT OF.
PERFORM REMEDIAL WORK PLUG AND ABANDON REMEDIAL WORK	ALTERING CASING
TEMPORARILY ABANDON COMMENCE DRILLING OPNS.	=
PULL OR ALTER CASING CHANGE PLANS CASING TEST AND CEMENT JOB	PLUG AND ABANDONMENT
OTHER	
OTHER	
17. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including work) SEE RULE 1503.	estimated date of starting any proposed
	a 9581 and
tilled ported rods & reg, det it is part	
MIRU pulled rods & tog. Set RTTS phr treated by 10,000 gal NE aid from 9686 to 969	o as tollows.
2500gal - 20% NE acid @ 0 ps 1 and 7BPM then	
	EDD " UNIVERSE.
2500gal-2070 NE acid @ 0 psi and TBPM then	200# Unibagds:
2500991-2090 NE acid @ 0 psi and 7 BPM then 2500991-2090 NE acid @ 0 psi and 8 BPM then	200# Unibagds:
2500991-2070 NE acid @ opsi and TBPM then 2500991-2070 NE acid @ opsi and 8 BPM then 2500991-2070 NE acid @ opsi and 8 BPM	200# Unibagds:
2500991-2070 NE acid @ 0 ps 1 and 8 8PM then 2500991-2070 NE acid @ 0 ps 1 and 8 8PM	200# Uniboads;
2500991-2090 NE acid @ 0 ps 1 and 8 BPM then 2500991-2090 NE acid @ 0 ps 1 and 8 BPM flushed formation wy 1300# @ 8BPM. Pulked	200 # Uniboads; foo # Uniboads; out treating
2500991-2090 NE acid @ 0 ps 1 and 8 BPM then 2500991-2090 NE acid @ 0 ps 1 and 8 BPM flushed formation wy 1300# @ 8BPM. Pulked	200 # Uniboads; foo # Uniboads; out treating
2500991-2090 NE acid @ 0 ps1 and 8 BPM then 2500991-2090 NE acid @ 0 ps1 and 8 BPM flushed formation wy 1300# @ 8BPM. Pulked equipment, revan production assembly a	200 # Uniboads; foo # Uniboads; out treating
2500941-2090 NE acid @ 0 ps 1 and 8 BPM then 2500941-2090 NE acid @ 0 ps 1 and 8 BPM flushed formation wy 1300# @ 8BPM. Pulked	200 # Uniboads; foo # Uniboads; out treating
2500991-2090 NE acid @ 0 ps1 and 8 BPM then 2500991-2090 NE acid @ 0 ps1 and 8 BPM flushed formation wy 1300# @ 8BPM. Pulked equipment, revan production assembly a	200 # Uniboads; foo # Uniboads; out treating
2500991-2090 NE acid @ 0 ps1 and 8 BPM then 2500991-2090 NE acid @ 0 ps1 and 8 BPM flushed formation wy 1300# @ 8BPM. Pulked equipment, revan production assembly a	200 # Uniboads; foo # Uniboads; out treating
2500991-2090 NE acid @ 0 ps1 and 8 BPM then 2500991-2090 NE acid @ 0 ps1 and 8 BPM flushed formation wy 1300# @ 8BPM. Pulked equipment, revan production assembly a	200 # Uniboads; foo # Uniboads; out treating
2500991-2090 NE acid @ 0 ps1 and 8 BPM then 2500991-2090 NE acid @ 0 ps1 and 8 BPM flushed formation wy 1300# @ 8BPM. Pulked equipment, revan production assembly a	200 # Uniboads; foo # Uniboads; out treating
2500991-2090 NE acid @ 0 ps1 and 8 BPM then 2500991-2090 NE acid @ 0 ps1 and 8 BPM flushed formation wy 1300# @ 8BPM. Pulked equipment, revan production assembly a	200 # Uniboads; foo # Uniboads; out treating
2500991-2090 NE acid @ 0 ps1 and 8 BPM then 2500991-2090 NE acid @ 0 ps1 and 8 BPM flushed formation wy 1300# @ 8BPM. Pulked equipment, revan production assembly a	200 # Uniboads; foo # Uniboads; out treating
2500991-2090 NE acid @ 0 ps1 and 8 BPM then 2500991-2090 NE acid @ 0 ps1 and 8 BPM flushed formation wy 1300# @ 8BPM. Pulked equipment, revan production assembly a	200 # Uniboads; foo # Uniboads; out treating
2500991-2070 NE acid @ opsi and 8 BPM then 2500991-2070 NE acid @ opsi and 8 BPM flushed formation wil300# @ 8BPM. Pulked equipment, reran production assembly a Weil to pumping Status.	200 # Uniboads; foo # Uniboads; out treating
2500991-2070 NE acid @ 0 ps 1 and 8 8PM then 2500991-2070 NE acid @ 0 ps 1 and 8 8PM flushed formation wy 1300 # @ 8 8PM. Pulked equipment, reran production assembly a Well to pumping Status.	200 # Uniboads; foo # Uniboads; out treating
2500991-2070 NE acid @ opsi and 8 BPM then 2500991-2070 NE acid @ opsi and 8 BPM flushed formation wil300# @ 8BPM. Pulked equipment, reran production assembly a Weil to pumping Status.	200 # Uniboads; foo # Uniboads; out treating
2500991-2070 NE acid @ 0 ps 1 and 8 8PM then 2500991-2070 NE acid @ 0 ps 1 and 8 8PM flushed formation wy 1300 # @ 8 8PM. Pulked equipment, reran production assembly a Well to pumping Status.	200 # Uniboads; foo # Uniboads; out treating
2500991-2070 NE acid @ 0 ps 1 and 8 BPM then 2500991-2070 NE acid @ 0 ps 1 and 8 BPM flushed formation wy 1300# @ 8BPM. Pulked equipment reran production assembly as Well to pumping Status. 18. I hereby certify that the information above is true and complete to the best of my knowledge and belief. 316NED A. A. Clemmer TITLE Unit Head	200 # Uniboads; foo # Uniboads; out treating
2500991-2070 NE acid @ 0 ps1 and 8 8PM then 2500991-2070 NE acid @ 0 ps1 and 8 8PM flushed formation wy 1300# @ 88PM. Pulked equipment reran production assembly as Well to pumping Status. 18. I hereby certify that the information above is true and complete to the best of my knowledge and belief. 31GNED A. Limmer TITLE Unit Head APPROVED BY APPROVED BY APPROVED BY APPROVED BY TITLE TITLE TITLE TITLE	200 # Uniboads; foo # Uniboads; out treating
2500991-2070 NE acid @ 0 ps 1 and 8 BPM then 2500991-2070 NE acid @ 0 ps 1 and 8 BPM flushed formation wy 1300# @ 8BPM. Pulked equipment reran production assembly as Well to pumping Status. 18. I hereby certify that the information above is true and complete to the best of my knowledge and belief. 316NED A. A. Clemmer TITLE Unit Head	200 # Uniboads; foo # Uniboads; out treating

r					25			
NO. OF COPIES RECEIVE	B				>		Form C - Revised	
SANTA FE					30	r		Type of Lease
FILE			MEXICO OIL CON		~~~		State X	
U.S.G.S.		VELL COMPLE	TION OR REC	OMPLETION	REPORT A	AND LOG	_	& Gas Lease No.
LAND OFFICE						ļ	_	9669
OPERATOR				े जिल्ल	150	4	\vec{m}	mm
OFERATOR				التعاليات	27 = 12 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1			
la. TYPE OF WELL			· . · · · · · · · · · · · · · · · · · ·	- 139		}}}	7. Unit Agre	eement Name
		L GAS WELL	DRY	idruse	1 13 198	ا سا الأ		<u>-</u>
b. TYPE OF COMPLE				GIL CONS	TEAL TION	Div. Sign	8, Form or L	
METT OAE	R DEEPE	PLUG BACK	PIFF. RESVR.	CIL CONS	SANTA FS	DIVISIO	NEW ME	exico CC State
2. Name of Operator	0/+	000			SATHA ES		9. Well No.	1
Humble 3. Address of Operator	(O() &	retg Co	2				10. Field on	nd Pool, or Wildcat
Box 10	00- 0	adland	Texas	79701			Inbe	
4. Location of Well	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	na iana	, , , , , , ,	7.7.07			TIITH	mmitinini
		(60-			- 1			
UNIT LETTER	LOCATED/	980 FEET F	ROM THE	LINE AND	2086	FEET FROM		
				///////	////////	111111	12. County	
THE LINE OF :	16 Dora 7 D =	WP. /U- O RG	Compl. (Randa to	Prod 1 10 Th	Watters (DE	PKP PT	<u> </u>	Flow Construction
15. Edite Spudded	16. Date 1.D. P	/ O	Compi. (Ready to	18. Ele	ilane	\wedge	n, etc.) 19.	Elev. Cashinghead
10-6-68 20. Total Depth	21 Pin	68 11	- 0-68	la Cal View	4208		77. 1-	
9830	21. Più	ag Bdck 1.D.	Many		Drilled	als Rotary	830	Cable Tools
24. Producing Interval(s), of this comple	tion - Top. Botton	, Name	j.	1	→ ; ' ¿		25. Was Directional Survey
}		• ·		_		*		Made
90	686 - 96	96	Bough	?			-	No
26. Type Electric and O	ther Logs Run		0009.7				27. W	as Well Cored
								No
28.		CAS	ING RECORD (Res	oort all strings s	et in well)			
CASING SIZE	WEIGHT LB.	/FT. DEPTI	SET HO	LE SIZE	CEME	NTING RECO	ORD	AMOUNT PULLED
113/4"	42		47	15"		350 AX		None
8578"	24	40	86	11"		900 sx		None
51/2"	14-15.5	-17 98	17	778		325 SX	4	None
	<u> </u>							_l
29.		INER RECORD			30.		UBING RECO	<u> </u>
SIZE	тор	BOTTOM	SACKS CEMENT	SCREEN	SIZE		TH SET	PACKER SET
					2"	5/4 9	702	9650'
		l	l <u> </u>					
31, Perforation Record			<i>~</i> ,	32. A	CID, SHOT, F	RACTURE,	CEMENT SQL	UEEZE, ETC.
9686-9696	o -W1 Z	Shots/1	t.	DEPTH IN		AMOU		ID MATERIAL USED
	,	,		9686-9	696	10009	al 15%	ONE ACID
				-				· - · · · · · · · · · · · · · · · · · ·
				 				
33.			PROF	UCTION		<u> </u>		
Date First Production	Produ	ction Method /Flo	wing, gas lift, pum		YDe pump)		Well Status	s (Prod. or Shut-in)
11-8-68	i _	lowing	puni		. te the mand the teach t		Prod	
Date of Test	Hours Tested	Choke Size	Prod'n. For	Oil - Bbl.	Gas - MC	F Wate	r – Bbl.	Gas - Oil Ratio
11-13.68	24	20/64	Test Period	248	263		2	1060
Flow Tubing Press.	Casing Pressur	Calculated 24 Hour Rate	1	Gas - MC	F W	ater - Bbl.		Gravity - API (Corr.)
250	904	al come a	248	26	o <u>ろ</u>	2		41.2
34. Disposition of Gas (er, ventea, etc./					Witnessed B	-
35. List of Attachments	Marren					HI	F. Robe	rson
1 33. List of Attachments								
36. I hereby certify that	the information :	shown on both side	s of this form is tr	ue and complete	to the best of	my knowleds	ge and belief.	
5	コー カ	A A A		,	_			
SIGNED	1. 50	WL	TITLE _C	Init He	ad		DATE //	-18-68
		•						

INSTRUCTIONS

This form is to be filed with the appropriate District Office of the Commission not later than 20 days after the completion of any newly-drilled or deepened well. It shall be accompanied by one copy of all electrical and radio-activity logs run on the well and a summary of all special tests conducted, including drill stem tests. All depths reported shall be measured depths. In the case of directionally drilled wells, true vartical depths shall also be reported. For multiple completions, Items 30 through 34 shall be reported for each zone. The form is to be filed in quirtuplicate except on state land, where six copies are required. See Rule 1105.

INDICATE FORMATION TOPS IN CONFORMANCE WITH GEOGRAPHICAL SECTION OF STATE

Southeastern New Mexico Northwestern New Mexico 1875 T. Anhy _ T. Canyon _ ___T. Ojo Alamo_ _ T. Penn. "B". _ T. Strawn __ T. Kirtland-Fruitland T. Penn. "C" _ T. Atoka _ ______ T. Pictured Cliffs _____ T. Penn. "D" _ Salt. 2568 T. Cliff House _____ T. Leadville __ _ T. Miss. T. Yates. _ T. Devonian _ __ T. Madison __ 7 Rivers _____ T. Menefee ___ ____ T. Point Lookout _____ _ T. Elbert _ Queen. ____T. Mancos_ T. Montoya. __ T. McCracken._ Grayburg 3860 San Andres _ Т. Simpson . T. Gallup T. Ignacio Qtzte T. Base Greenhorn __ ______ T. Granite _____ _ т. McKee_ T. Glorieta. T. Dakota. T. Ellenburger __ т. Paddock T. Blinebry _ _ T. Gr. Wash_ _ T. Morrison _ ___ т. . _T. Granite _ _____ T. _____ T. . Todilto _ T. Tubb. _ T. Delaware Sand ___ _____ T. Entrada. _____ T. T. Drinkard 7605 T. Bone Springs _____ T. Abo. Wingate _ _ T. T. 8800 T. Wolfcamp _____Т. Chinle . T. Permian_ Penn. _ T. _ T. -T Cisco (Bough C) 9682 _____ T. Penn. "A"_

FORMATION RECORD (Attach additional sheets if necessary)

___ Т. -

T.

From	то	Thickness in Feet	Formation	From	To	Thickness in Feet	Formati :n
0 364 940 1843 3471 3760 3880 4068 7350 7502 7661 7820 7863	364 940 1843 3471 3760 3880 4068 7350 7820 7863 8397 9830	in Feet	Surface Red beds Red beds & Salt Anny & Salt Anny & Salt Anny & Salt Anny & Lime Shale + Lime Lime Lime Lime Lime Lime Lime Lime	From	То		Formati n
				,			

·	
NO. OF COPIES RECEIVED	Form C-103
DISTRIBUTION	Supersedes Old C-102 and C-103
SANTA FE NEW MEXICO OIL CONSERVATION COMMISSION	Effective 1-1-65
FILE	5a. Indicate Type of Lease
U.S.G.S.	State X Fee
OPERATOR S	5. State Oil & Gas Lease No.
OFERRIOR 2	E-9669
SUNDRY NOTICES AND REPORTS ON TELES 1 STATE OF THE CONTROL OF THE	
OIL S GAS OTHER- Drilling 113 1993	7. Unit Agreement Name
	8. Farm or Lease Name New Mexico CC State
3. Address of Operator Box 1600 - Midland, Texas SINTAFE	9. Well No.
4, Location of Well	10. Field and Pool, or Wildcat
UNIT LETTER F 1980 FEET FROM THE W LINE AND ZOS6 FEET FROM	Inde Renn
THE Number 10-5 RANGE 33-E NMPM.	
15. Elevation (Show whether DF, RT, GR, etc.) Later	12. County Lea
Check Appropriate Box To Indicate Nature of Notice, Report or Oth NOTICE OF INTENTION TO: SUBSEQUENT	
PERFORM REMEDIAL WORK PLUG AND ABANDON REMEDIAL WORK TEMPORARILY ABANDON COMMENCE DRILLING OPNS.	ALTERING CASING
PULL OR ALTER CASING CHANGE PLANS CASING TEST AND CEMENT JOB	PLUG AND ABANDONMENT
OTHER	mpletion
OTHER	
17. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including	estimated date of starting any proposed
Drld to 9830 TO Ran 9818 - 51/2" OD	
Cig set at 9830'. Cemented wy 1255)	
12/1/0 gel and 35# BJR-5 followed by	200 SX Incor
Cement. WOC 18 hrs and test csq w	7 2000 PSI
tox 30 min and held on Temp SUVUS	ou indicates
top emt @ 7600. Released rig and m unit Swab well. Perf 5/2"esg from wy 2 shots/ft. Acidized perfs wy 1000 ga	ove in pulling
unit Snab well. Perf 51/2" esq from	9686 70 9696
W1 2 Shots Ift Acidized perts wy 1000 ga	1 15 % WE acid.
man notestal test	Dade 24.8 BO
Well in and began potential test, n GOR 1060 on 24 hr test flowing.	Max = 1.5 = 7
GOR 1060 on 24 hr 16367 10Willy.	
18. I hereby certify that the information above is true and complete to the best of my knowledge and belief.	<u> </u>
SIGNED Role BUNIZ TITLE Unit Head	DATE 11-18-68
Sold And And And And And And And And And An	
CONDITIONS OF APPROVAL, IF ANY:	DATE TO SAME

·	
NO. OF COPIES RECEIVED	F C 100
DISTRIBUTION	Form C-103 Supersedes Old
SANTA FE NEW MEXICO OIL CONSERVATION COMMISSION	C-102 and C-103 Effective 1-1-65
FILE	
U.S.G.S. LAND OFFICE	State X Fee
OPERATOR OPERATOR	5. State Oil & Gas Lease No.
	E-9669
SUNDRY NOTICES AND REPORTS ON WELLS (00 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 TO THE PROPO	
OIL S GAS WELL OTHER DUILLING	7. Unit Agreement Name
2. Name of Operator	8. Farm or Lease Name
Humble Oil & Refg. Co. JUN 13 1983	New Mexico CC State
Box 1600 - Midland Texas Panse WATION DIVISION 4. Location of Well SANTA FE	4
4. Location of Well SANTA FE UNIT LETTER F . 1980 FEET FROM THE W LINE AND ZOSE FEET FROM	1
UNIT LETTER , FEET FROM THE LINE AND FEET FROM	
THE N LINE, SECTION 27 TOWNSHIP 10-5 RANGE 33E NMPM.	
15. Elevation (Show whether DF, RT, GR, etc.)	12. County
Later	Lea
Check Appropriate Box To Indicate Nature of Notice, Report or Ot	
	REPORT OF:
PERFORM REMEDIAL WORK PLUG AND ABANDON REMEDIAL WORK	ALTERING CASING
TEMPORARILY ABANDON COMMENCE DRILLING OPNS.	PLUG AND ABANDONMENT
PULL OR ALTER CASING CHANGE PLANS CASING TEST AND CEMENT JOB	 -1
OTHER	
17. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including work) SEE RUL E 1703.	estimated date of starting any proposed
MIRU - SOUND WELL IN @ 9:00 AM DO 10-6-68	
MIRU - Spud well in @ 9:00 Am on 10-6-68.	Drld to 364'
and van and set 347' of 1134" 0042# Csq @ 3	Drld to 364'
and van and set 347' of 1134" 0042# Csq @ 3	Drld to 364'
and van and set 347' of 1134" oo42# Csq @ 3 wy 350 sax veq. Cmt wy 4% gel and 7 sa	Drld to 364' 64. Cemented X CaChl. Cmt
and ran and set 347' of 1134" oo42# Csq @ 30 wy 350 sax req. Cmt wy 4% gel and 7 sa Circulated. WOC. 1834 hrs and tested	Drld to 364' 64' Cemented × CaChl Cmt 113/4" Csq wy 800
and ran and set 347' of 1134" oo42# Csq @ 3 wy 350 sax req. Cmt wy 4% gel and 7 sa Circulated. WOC. 1834 hrs and tested PSI and held OK. Resumed drig open	Drld to 364' 64: Cemented X CaChl. Cmt 113/4" Csg wy 800 at 10ns and
and van and set 347' of 1134" oo42# Csq @ 3 wy 350 sax veq. Cmt wy 4% gel and 7 sa Circulated. WOC. 1834 hrs and tested PSI and held OK. Resumed drig oper Orilled To 4100'. Ran and set 4086'	Drld to 364' 64' Cemented 0x CaChl. Cmt 113/4" Csq wp 800 at 10ns and of 898"00 24#
and van and set 347' of 1134" oo42# Csq @ 3 wy 350 sax veq. Cmt wy 4% gel and 7 sa Circulated. WOC. 1834 hrs and tested psi and held OK. Resumed drig operatorilled 75 4100'. Ran and set 4086' and 32# Csq @ 4100'. Cemented wy 5.	Drld to 364' 64' Cemented 0x CaChl. Cmt 113/4" Csq wy 800 at ions and of 898"00 24# 50 59x incor
and van and set 347' of 1134" oo42# Csq @ 3 wy 350 sax veq. Cmt wy 4% gel and 7 sa Circulated. WOC. 1834 hrs and tested psi and held OK. Resumed drig operatorilled 75 4100'. Ran and set 4086' and 32# Csq @ 4100'. Cemented wy 5.	Drld to 364' 64' Cemented 0x CaChl. Cmt 113/4" Csq wy 800 at ions and of 898"00 24# 50 59x incor
and van and set 347' of 1134" oo42# Csq @ 3 wy 350 sax veq. Cmt wy 4% gel and 7 sa Circulated. WOC. 1834 hrs and tested psi and held OK. Resumed drig operatorilled 75 4100'. Ran and set 4086' and 32# Csq @ 4100'. Cemented wy 5.	Drld to 364' 64' Cemented 0x CaChl. Cmt 113/4" Csq wy 800 at ions and of 898"00 24# 50 59x incor
and van and set 347' of 1134" oo42# csq @ 3 wy 350 sax veq. Cmt wy 4% gel and 7 sa circulated. WOC. 1834 hrs and tested psi and held OK. Resumed drig operationed to 4100'. Ran and set 4086' and 32# csq @ 4100'. Cemented wy 5. Cmt wy 4% Cachi and 8% gel in 33 18 hrs. Test 898"00 csq wy 1000 psi an	Drld to 364' 64' Cemented 0x CaChl. Cmt 113/4" Csq wy 800 at ions and of 898"00 24# 50 59x incor
and van and set 347' of 1134" oo42# Csq @ 3 wy 350 sax veq. Cmt wy 4% gel and 7 sa Circulated. WOC. 1834 hrs and tested psi and held OK. Resumed drig operatorilled 75 4100'. Ran and set 4086' and 32# Csq @ 4100'. Cemented wy 5.	Drld to 364' 64' Cemented 0x CaChl. Cmt 113/4" Csq wy 800 at ions and of 898"00 24# 50 59x incor
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and van and set 347' of 1134" oo42# csq @ 3 wy 350 sax veq. Cmt wy 4% gel and 7 sa circulated. WOC. 1834 hrs and tested psi and held OK. Resumed drig operationed to 4100'. Ran and set 4086' and 32# csq @ 4100'. Cemented wy 5. Cmt wy 4% Cachi and 8% gel in 33 18 hrs. Test 898"00 csq wy 1000 psi an	Drld to 364' 64' Cemented 0x CaChl. Cmt 113/4" Csq wy 800 at ions and of 898"00 24# 50 59x incor
and ran and set 347' of 1134" oo42# Csq @ 3 wy 350 sax req. Cmt wy 4% gel and 7 sa circulated. Wo.C. 1834 hrs and tested psi and held OK. Resumed drig operationed to 4100'. Ran and set 4086' and 32# Csq @ 4100'. Cemented wy 5. Cmt wy 4% Cachi and 8% gel in 33 18 hrs. Test 898"00 csq wy 1000 psi an Resume drig operations.	Drld to 364' 64' Cemented 0x CaChl. Cmt 113/4" Csq wy 800 at ions and of 898"00 24# 50 59x incor
and ran and set 347' of 1134" oo42# Csq @ 3. wy 350 sax req. Cmt wy 4% gel and 7 sa Circulated. WOC. 1834 hrs and tested psi and held OK. Resumed drig opera Orilled to 4100'. Ran and set 4086' and 32# Csq @ 4100'. Cemented wy 5. Cmt wy 4% Cachi and 8% gel in 3. 18 hrs. Test 898"00 Csq wy 1000 psi an Resume drig Operations.	Drld to 364' 64. Cemented X CaChl. Cmt 113/4" Csq wy 800 at 10ns and of 898"00 24# 50 sqx incor TO sex. WOC d held OK.
and van and set 347' of 1134" 0042# Csq @ 3. wy 350 sax veq. Cmt wy 4% gel and 7 sa Circulated. NOC. 1834 hrs and tested psi and held OK. Resumed drig opera Orilled 75 4100'. Ran and set 4086' and 32# Csq @ 4100'. Cemented wy 5. Cmt wy 4% Cachi and 8% gel in 33 18 hrs. Test 898"00 Csq wy 1000 psi an Resume driq Operations.	Drld to 364' 64. Cemented X CaChl. Cmt 113/4" Csq wy 800 at 10ns and of 898"00 24# 50 sqx incor TO sex. WOC d held OK.

NO. OF COPIES RECEIVED			•				ゴッイム	1. 1. 2.	1
DISTRIBUTION		NEW	EXICO OIL CONSE	RYATION CO	MAISSION.		Form C-101		•
SANTA FE					\$74\V/2		Revised 1-1-		
FILE				112	TOTAL TRANSPORT OF THE PARTY OF	~ \	STATE	Type of Lea	Se C
U.S.G.S.	-			M JUN:	13 1993		·	& Gas Lease	
OPERATOR	+		ئے		والمراجع المحمولية سترمط وعمراس			-9669	
				L CONSERV	ATION D	IVIŠNJCI	111111	IIIIII.	
APPLICATIO	N FOR PER	RMIT TO I	DRILL, DEEPEN,	OR PLUG/B	ACK!				
ia. Type of Work							7. Unit Agr	eement Name	
b. Type of Well DRILL X			DEEPEN		PLUG B	ACK 🔲	8. Form or I	_ease Name	
OIL X GAS WELL	ОТНЕ	_		SINGLE X	MULTI	PLE	· -	xico "CC	" State
2. Name of Operator						.572	9. Well No.		
	E OIL & F	REFINING	COMPANY					4	
3. Address of Operator	T 4170							nd Pool, or Wi	ldcat
BOX 1600, MID			1 000				Inbe	Penn.	mm
UNIT LETTI	en <u>F</u>	LOCA	TED 1,980 1	EET PROM THE _	west	LINE			
AND 2,086 FEET FROM	THE NOT	th LINE	of sec. 27	wr. 10-S	MGE. 33-	E_NMPM			
	HIIII						12. County		
					77777	<i>}}}},</i>	Lea	thim	
HHHHHH	HHHH	HHH	444444	9, Proposed De	epth 19	A. Formation	<u>, , , , , , , , , , , , , , , , , , , </u>	20. Rotary	or C.T.
				9,800'		Penn.		Rotar	у.
21. Elevations (Show whether DF	,RT, etc.)		Status Plug. Bond					z. Date Work	
To be filed later		Branke	t on file	Unkn	lown		Toctobe	er 1, 19	68
23.		PF	ROPOSED CASING AN	CEMENT PRO	GRAM				
SIZE OF HOLE	SIZE OF	CASING	WEIGHT PER FOOT	SETTING	DEPTH	SACKS OF	CEMENT	EST	TOP
		CV31110 1							
15"	11 3/4								
		1"	42# 24# & 32#	3501			Sacks		
15"	11 3/4	4" 3" 2"	42# 24# & 32# 17#, 15.5# &	350' 4,100'		350 9	Sacks Sacks		o Surface
15" 11"	11 3/4	4" 3" 2"	42# 24# & 32#	350' 4,100'		350 S 450 S	Sacks Sacks	Circ. t	
15" 11" 7 7/8" *Circ. back to	11 3/4 8 5/8 5 1/2	1" 3" 2"	42# 24# & 32# 17#, 15.5# & 4#	350' 4,100' 9,800		350 S 450 S 325 S	Sacks Sacks Sacks	Circ. t	o Surface
15" 11"	11 3/4 8 5/8 5 1/2	1" 3" 2"	42# 24# & 32# 17#, 15.5# & 4#	350' 4,100' 9,800		350 S 450 S 325 S	Sacks Sacks Sacks	Circ. t	o Surface
15" 11" 7 7/8" *Circ. back to shoe.	11 3/4 8 5/8 5 1/2 approxim	4" 3" 2" I	42# 24# & 32# 17#, 15.5# & 4# 2,500 feet w	350' 4,100' 9,800 /8% Gel c	ement a	350 3 450 3 325 8 and use	Sacks Sacks Sacks	Circ. t * ** acks nea	o Surface
15" 11" 7 7/8" *Circ. back to shoe. **Circ. back at	11 3/4 8 5/8 5 1/2 approximates	ar 2" mately	42# 24# & 32# 17#, 15.5# & 4# 2,500 feet w,	350' 4,100' 9,800 /8% Gel c	ement a	350 3 450 3 325 3 and use	Sacks Sacks Sacks	Circ. t * ** acks nea	o Surface
15"	11 3/4 8 5/8 5 1/2 approximates 60 12% Gel 6	mately 00 feet	42# 24# & 32# 17#, 15.5# & 4# 2,500 feet w, above top of 200 sacks no	350' 4,100' 9,800 /8% Gel c	ement a	350 3 450 3 325 3 and use	Sacks Sacks Sacks	Circ. t * ** acks nea	o Surface
15" 11" 7 7/8" . *Circ. back to shoe. **Circ. back at	11 3/4 8 5/8 5 1/2 approximates 60 12% Gel 6	mately 00 feet	42# 24# & 32# 17#, 15.5# & 4# 2,500 feet w, above top of 200 sacks no	350' 4,100' 9,800 /8% Gel c	ement a	350 3 450 3 325 3 and use	Sacks Sacks Sacks	Circ. t * ** acks nea	o Surface
15" 11" 7 7/8" . *Circ. back to shoe. **Circ. back at 8,000 feet w/1 Minimum mud pr	11 3/4 8 5/8 5 1/2 approximates 60 12% Gel 60 rogram for	and use	42# 24# & 32# 17#, 15.5# & 4# 2,500 feet w above top of 200 sacks ne	350' 4,100' 9,800 /8% Gel c	ement a	350 3 450 3 325 3 and use	Sacks Sacks Sacks e 200 sacks one, est	Circ. t ** acks nea	o Surface
15"	11 3/4 8 5/8 5 1/2 approximates 60 12% Gel 60 rogram for	and use	42# 24# & 32# 17#, 15.5# & 4# 2,500 feet w above top of 200 sacks ne	350' 4,100' 9,800 /8% Gel c	ement a	350 s 450 s 325 s and use	Sacks Sacks Sacks e 200 sacks one, est	Circ. t	o Surface
15" 11" 7 7/8" . *Circ. back to shoe. **Circ. back at 8,000 feet w/1 Minimum mud pr	11 3/4 8 5/8 5 1/2 approximal least 60 12% Gel approximation of cement	nately of eet and use or samp	42# 24# & 32# 17#, 15.5# & 4# 2,500 feet w, above top of 200 sacks no	350' 4,100' 9,800 /8% Gel of the uppeat aroun	ement a	350 S 450 S 325-S and use	Sacks	circ. t	t around
15" 11" 7 7/8" . *Circ. back to shoe. **Circ. back at 8,000 feet w/1 Minimum mud pr	11 3/4 8 5/8 5 1/2 approximates 60 12% Gel 60 rogram for comments	mately Of eet and use or samp	42# 24# & 32# 17#, 15.5# & 4# 2,500 feet w above top of 200 sacks ne les. be used.	350' 4,100' 9,800 /8% Gel of the uppeat aroun	ement a	350 S 450 S 325-S and use	Sacks	circ. t	o Surface
15" 11" 7 7/8" . *Circ. back to shoe. **Circ. back at 8,000 feet w/1 Minimum mud pr	approximate least 60 12% Gel a rogram for cement 24 to 24 to 24 to 25 to	on feet and use or samp	42# 24# & 32# 17#, 15.5# & 4# 2,500 feet w above top of 200 sacks ne les. be used.	350' 4,100' 9,800 /8% Gel of the uppeat aroun	ement a	350 S 450 S 325-S and use	Sacks	Circ. t	t around
15" 7 7/8" *Circ. back to shoe. **Circ. back at 8,000 feet w/1 Minimum mud process to method of the short	approximate least 60 12% Gel a cogram for cement 75.2	mately of eetand use or samp ting to	42# 24# & 32# 17#, 15.5# & 4# 2,500 feet w, above top of 200 sacks not les. be used.	350' 4,100' 9,800 /8% Gel of the uppeat aroun	ement a	350 s 450 s 325-s and use pay zo	Sacks Sacks Sacks Sacks One, est	circ. t ** acks nea cimated	o Surface
15" 11" 7 7/8" . *Circ. back to shoe. **Circ. back at 8,000 feet w/1 Minimum mud pr	approximate least 60 12% Gel a cogram for cement 75.2	mately of eetand use or samp ting to	42# 24# & 32# 17#, 15.5# & 4# 2,500 feet w, above top of 200 sacks not les. be used.	350' 4,100' 9,800 /8% Gel of the uppeat aroun	ement a	350 s 450 s 325-s and use pay zo	Sacks Sacks Sacks Sacks One, est	circ. t ** acks nea cimated	o Surface
15" 7 7/8" *Circ. back to shoe. **Circ. back at 8,000 feet w/1 Minimum mud process to method of the short	approximate approx	mately Of eet and use or samp ting to	42# 24# £ 32# 17#, 15.5# £ 4# 2,500 feet w above top of 200 sacks not 1es. be used. RION MUSI B RIOR TOTRONT	350' 4,100' 9,800 /8% Gel of the upper around around the work of the upper around the upper	ement a	350 s 450 s 325-s and use pay zo	Sacks Sacks Sacks Sacks One, est	circ. t ** acks nea cimated	o Surface
15" 11" 7 7/8" . *Circ. back to shoe. **Circ. back at 8,000 feet w/1 Minimum mud properties to method of the short space describe properties to the short short short space describe properties to the short shor	approximate approx	mately Ofeetand use or samp ting to	42# 24# £ 32# 17#, 15.5# & 4# 2,500 feet w above top of 200 sacks not les. be used. SION MUSL B RIOR TOTRINI	350' 4,100' 9,800 /8% Gel of the upper around the aroun	ement a	350 s 450 s 325-s and use pay zo	Sacks	circ. t ** acks nea cimated	o Surface
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15" 11" 7 7/8" . *Circ. back to shoe. **Circ. back at 8,000 feet w/1 Minimum mud properties to method of the short space describe properties to the short short short space describe properties to the short shor	approximate the second	mately Ofeetand use or samp ting to	42# 24# £ 32# 17#, 15.5# & 4# 2,500 feet w above top of 200 sacks not les. be used. SION MUSL B RIOR TOTRINI	350' 4,100' 9,800 /8% Gel of the upper around the aroun	ement a	350 s 450 s 325-s and use pay zo	Sacks	circ. t ** acks nea cimated	o Surface
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24 NEW MEXICO OIL CONSERVATION COMMISSION Form C-104 Supersedes Old C-104 and C-110 Effective 1-1-65 REQUEST FOR ALLOWABLE ÁÑĎ AUTHORIZATION TO TRANSPORT OIL AND NATURAL GAS رَ -JUN 13 1993 Amini Oil Corporation OIL CONSERVATION DIVISION SANTA FE 400 Wall Towers West, Midland, Texas 79701 Reason(s) for filing (Check proper box) Other (Please explain) New Well Recompletion Dry Gas Change in Ownership X Condensate If change of ownership give name and address of previous owner ____ Humble Oil & Refining, Co. P.O. Box 1600, Midland, Texas 79701 II. DESCRIPTION OF WELL AND LEASE | Well No. | Pool Name, Including Formation Lease No. New Mexico "CC" State 4 Inbe-Pennsylvanian State, Federal or Fee E9669 State 1980 Feet From The West Line and Unit Letter__F 2086 Feet From The North 10-S 33-E Lea Line of Section Township Range , NMPM. County III. DESIGNATION OF TRANSPORTER OF OIL AND NATURAL GAS

| Name of Authorized Transporter of Oil | X | Or Condensate | Address (Give address to which approved copy of this form is to be sent) Service Pipeline Company anrea 3411 Knoxville, Lubbock, Texas 79408
Address (Give address to which approved copy of this form is to be sent) or Dry Gas Name of Authorized Transporter of Casinghead Gas 🔀 Warren Petroleum Corp. Box 1589, Tulsa, Oklahoma 74102 Twp. Rge. 10-S 33-E If well produces oil or liquids, give location of tanks. ; ĺ ! 27 Yes 11-12-68 If this production is commingled with that from any other lease or pool, give commingling order number: CTB172 IV. COMPLETION DATA Oil Well Same Res'v. Diff. Res'v. Designate Type of Completion -(X)Date Compl. Ready to Prod. Elevations (DF, RKB, RT, GR, etc.) Name of Producing Formation Top Oil/Gas Pay Tubing Depth Perforations Depth Casing Shoe TUBING, CASING, AND CEMENTING RECORD HOLE SIZE CASING & TUBING SIZE SACKS CEMENT V. TEST DATA AND REQUEST FOR ALLOWABLE (Test must be after recovery of total volume of load oil and must be equal to or exceed top allow able for this depth or be for full 24 hours) Producing Method (Flow, pump, gas lift, etc.) Date First New Oil Run To Tanks Date of Test Length of Test Choke Size Tubing Pressure Casing Pressure Actual Prod. During Test -Oil Bhia. Worter - Blile. Gas - MCF **GAS WELL** Actual Prod. Test-MCF/D Length of Test Bbis. Condensate/MMCF Gravity of Condensate Testing Method (pitot, back pr.) Tubing Pressure (Shut-in) Casing Pressure (Shut-in) Choke Size OIL CONSERVATION COMMISSION

VI. CERTIFICATE OF COMPLIANCE

The second second

I hereby certify that the rules and regulations of the Oil Conservation Commission have been complied with and that the information given above—is true and complete to the best of my knowledge and belief.

C. L. Diel
(Signature)
Controller
(Title)

June 21, 1971

(Date)

TITLE

This form is to be filed in compliance with RULE 1104.

If this is a request for allowable for a newly drilled or deepened well, this form must be accompanied by a tabulation of the deviation tests taken on the well in accordance with RULE 111.

All sections of this form must be filled out completely for allowable on new and recompleted wells.

Fill out only Sections I. II. III, and VI for changes of owner, name or number, or transporter, or other such change of condition. Separate Forms C-104 must be filed for each peol in multiply completed wells.

		_		
	NO. OF COPIES RECEIVED			
	DISTRIBUTION	NEW MEXICO OIL	CONSERVATIONCOMMISSION	Form C -104
	SANTA FE		FOR ALLOWABLE	Supersedes Old C-104 and C-110
	FILE		AND	Effective 1-1-65
	U.S.G.S.	AUTHORIZATION TO TRA	ANSPORT OIL AND NATURAL	GAS
	LAND OFFICE		~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	2 0,10
	IRANSPORTER OIL		<u> </u>	
	GAS	7	<u> </u>	
	OPERATOR		56 Nov	
1.	PRORATION OFFICE		6	
	Operator	- 0		
	Humble Oil & he	619 (10	· · · · · · · · · · · · · · · · · · ·	3-200
	Address		311311	建智山连 山
	Box 1600- MI	dland Texas 797	70/	
	Reason(s) for filing (Check proper box)	Other (Please explain)	11: 13 1983 1111
	New Well	Change in Transporter	Washington and the second and the se	11 20
	Recompletion	Oil Dry Go		SEFVATION DIVISION
	Change in Ownership	Casinghead Gas Conde	nsate OL CON	CANTA FE
		/		SAMA
	If change of ownership give name	4-71		
	and address of previous owner			
11.	DESCRIPTION OF WELL AND	LEASE		
•••	Lease Name		me, Including Formation	Kind of Lease
	New Mexico CC S	tute 4 In	be Renn	State Federal or Fee
	Location	1470		
	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	80 Feet From The W Lin	2086	- m-
	Onlt Letter ;;	reet from theLif	reet Fro	om the
	Line of Section 27 , To	waship 10-5 Range	3.3-€ NMPM	Lea County
	-			
III.	DESIGNATION OF TRANSPORT	TER OF OIL AND NATURAL GA	ıs	
	Name in the horized Transporter of Oil	or Condensate	Address (Give address to which ap	proved copy of this form is to be sent)
	Pine Li	ne Co	3411 KnoxVIIIe -	Lubhock Tex
	Name of Authorized Transporter of Car	singhead Gas 🔀 💮 or Dry Gas 🗀	Address (Give address to which ap	proved copy of this form is to be sent)
	Warren Pet (2	BOX 1589 - TU	La Okla
		Unit Sec. Twp. Rge.	Is gas actually connected?	When
	If well produces oil or liquids, give location of tanks.	J 27 10-5 33-E	1/0-	11-12-68
			· · · · · · · · · · · · · · · · · · ·	
īV		th that from any other lease or pool, in that I see say our so sake or pool.	give commingling order number:	-CTB 172
¥.	F 10 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	Oil Well Gas Well	New Well Workover Deepen	Plug Back Same Res'v. Diff. Res'v.
	Designate Type of Completic	on - (X)	X	
	Date Spudded	Date Compl. Ready to Prod.	Total Depth	P.B.T.D.
	10-6-68	1	9830'	
	Pool	11-8-68 Name of Producing Formation		The Parks
	1 T. h. / / / / / /	1 -	Top Oil/Gas Pay	Tubing Depth 9707
	Inbe Fenn	Pennsylvanian	9686'	9702
	Perforations _	Rennsylvanian		970Z Depth Casing Shoe
	Perforations _	Rennsylvanian 16- wy Z shots / ft.	9686	9702
	9686 - 969	Pennsylvanian 16- wy 2 shots / ft. TUBING, CASING, AN	9686 '	970Z— Depth Casing Shoe 9830'
	9686 - 969 HOLE SIZE	Rennsylvanian 16 - W7 Z Shots / ft. TUBING, CASING, AND CASING & TUBING SIZE	9686' D CEMENTING RECORD DEPTH SET	970Z— Depth Casing Shoe 9830' SACKS CEMENT
÷	9686 - 969 HOLE SIZE	Pennsylvanian 16- wy 2 shots / ft. TUBING, CASING, AN	9686 '	Pepth Casing Shoe 9830' SACKS CEMENT 350
	9686 - 969 HOLE SIZE 15"	Rennsylvanian 16- wy 2 shots / ft. TUBING, CASING, AND CASING & TUBING SIZE 1/3/4" 858"	9686' CEMENTING RECORD DEPTH SET 347 4086	970Z— Depth Casing Shoe 9830' SACKS CEMENT 350 900
	9686 - 969 HOLE SIZE	Rennsylvanian 16 - W7 Z Shots / ft. TUBING, CASING, AND CASING & TUBING SIZE	9686' D CEMENTING RECORD DEPTH SET	Pepth Casing Shoe 9830' SACKS CEMENT 350
	Perforations 9686 - 969 HOLE SIZE 15" 11" 778" 572"	Pennsylvanian 16 - W7 2 Shots / ft. TUBING, CASING, AND CASING & TUBING SIZE 1/3/4" 8 78" 5/2" 3.3/8"	9686' D CEMENTING RECORD DEPTH SET 347 4086 9816 9702	970Z Depth Casing Shoe 9830' SACKS CEMENT 350 900 325
v.	9686 - 969 HOLE SIZE 15" 11" 778" 572" TEST DATA AND REQUEST F	Pennsylvanian 16 - W7 2 Shots / ft. TUBING, CASING, ANI CASING & TUBING SIZE //3/4" 8 78" 51/2" 3.3/8" OR ALLOWABLE (Test must be a	9686' DEPTH SET 347 4086 9816 9702 Iter recovery of total volume of load of	970Z— Depth Casing Shoe 9830' SACKS CEMENT 350 900
v.	HOLE SIZE 15" 11" 778" TEST DATA AND REQUEST FOIL WELL	Pennsylvanian 16 - W7 2 Shots / ft. TUBING, CASING, ANI CASING & TUBING SIZE //3/y" 8 78" 51/2" 3.38" OR ALLOWABLE (Test must be a able for this de	9686' DEPTH SET 347 4086 9816 9702 Iter recovery of total volume of load capth or be for full 24 hours)	970Z Depth Casing Shoe 9830' SACKS CEMENT 350 900 325 oil and must be equal to or exceed top allow-
v .	HOLE SIZE 15" 11" 778" TEST DATA AND REQUEST FOIL WELL Date First New Oil Run To Tanks	Pennsylvanian 16 - W7 2 Shots / ft. TUBING, CASING, ANI CASING & TUBING SIZE //3/y" 8 78" 51/2" 3.38" OR ALLOWABLE (Test must be a able for this de	9686 DEPTH SET 347 4086 9816 9702 Ster recovery of total volume of load of the point of th	970Z Depth Casing Shoe 9830' SACKS CEMENT 350 900 325 Dil and must be equal to or exceed top allow-
v .	HOLE SIZE 15" 11" 77/8" TEST DATA AND REQUEST FOIL WELL Date First New Oil Run To Tanks 11-8-68	Pennsylvanian 16 - W7 2 Shots / ft. TUBING, CASING, ANI CASING & TUBING SIZE 1/3/4" 8 78" 5 1/2" 3.3/8" OR ALLOWABLE (Test must be a able for this de	D CEMENTING RECORD DEPTH SET 347 4086 9818 9702 Iter recovery of total volume of load of epth or be for full 24 hours) Producing Method (Flow, pump, gas Flow	POZDEPH Casing Shoe P830' SACKS CEMENT 350 900 335 poil and must be equal to or exceed top allow- stift, etc.)
v .	HOLE SIZE 15" 11" 77/8" TEST DATA AND REQUEST FOIL WELL Date First New Oil Run To Tanks 1/-8-68 Length of Test	Pennsylvanian 16 - W7 2 Shots ft. TUBING, CASING, ANI CASING & TUBING SIZE 1/3/4" 8 78" 5 1/2" 3 3/8" OR ALLOWABLE (Test must be a able for this de Date of Test 1/-/3-68 Tubing Pressure	9686 DEPTH SET 347 4086 9816 9702 Ster recovery of total volume of load of the point of th	970Z Depth Casing Shoe 9830' SACKS CEMENT 350 900 325 poil and must be equal to or exceed top allow- lift, etc.) Choke Size
v.	HOLE SIZE 15" 11" 77/8" TEST DATA AND REQUEST FOIL WELL Date First New Oil Run To Tanks 11-8-68	Pennsylvanian 16 - W7 2 Shots ft. TUBING, CASING, ANI CASING & TUBING SIZE 1/3/4" 8 78" 5 1/2" 3 3/8" OR ALLOWABLE (Test must be a able for this de	D CEMENTING RECORD DEPTH SET 347 4086 9818 9702 Iter recovery of total volume of load of epth or be for full 24 hours) Producing Method (Flow, pump, gas Flow	POZ Depth Casing Shoe 9830' SACKS CEMENT 350 900 325 Doil and must be equal to or exceed top allow- stift, etc.) Choke Size

GAS WELL	•		• '	•	
Actual Prod. Test-MCF/D	Length of Test		Bbls. Condensate/MMCF	Gravity of Condensate	7
Testing Method (pitot, back pr.)	Tubing Pressure	1 2 2	Casing Pressure	Choke Size	

VI. CERTIFICATE OF COMPLIANCE

I hereby certify that the rules and regulations of the Oil Conservation Commission have been complied with and that the information given above is true and complete to the best of my knowledge and belief.

	R. Z. Berns	
	(Signature)	
•	Unit Head	
	(Title)	
	11 10 10	

This form is to be filed in compliance with RULE 1104.

If this is a request for allowable for a newly drilled or deepened well, this form must be accompanied by a tabulation of the deviation tests taken on the well in accordance with RULE 111.

OIL CONSERVATION COMMISSION

All sections of this form must be filled out completely for allowable on new and recompleted wells.

Fill out Sections I, II, III, and VI only for changes of owner, well name or number, or transporter, or other such change of condition.

Separate Forms C-104 must be filed for each pool in multiply completed wells.

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NO. OF COPIES REC	EIVED	_
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U.S.G.S.		
LAND OFFICE		
TRANSPORTER	OIL	
	GAS	
OPERATOR		
PRORATION OF	FICE	
Operator		
KKA Corpora	tion	

NEW MEXICO OIL CONSERVATION COMMISSION Form C-104 Supersedes Old C-104 and C-110 Effective 1-1-65 REQUEST FOR ALLOWABLE AND AUTHORIZATION TO TRANSPORT OIL AND NATURAL GAS Address OIL CONSERVATION DIV 400 Wall Towers West - Midland, Texas 79701
Reason(s) for filing (Check proper box) Other (Please explain) SANTA FE New Well Recompletion 011 Dry Gas Change in Ownership X . Casinghead Gas Condensate If change of ownership give name Amini Oil Corporation; 400 Wall Towers West; Midland, Texas 79701 II. DESCRIPTION OF WELL AND LEASE Lease No. New Mexico "CC" State 4 Inbe#Pennsylvanian State, Federal or Fee State E9669 1980 Feet From The West Line and 2086 27 10-S Range 🗱 33-E Line of Section Township , NMPM, Lea County III. DESIGNATION OF TRANSPORTER OF OIL AND NATURAL GAS

Name of Authorized Transporter of Oil

or Condensate Address (Give address to which approved copy of this form is to be sent) Amoco Pipeline Company

Transcorter of Casinghead Gas P.O. Box 3119; Midland, Texas 79701

Give address to which approved copy of this form is to be sent) or Dry Gas Warren Petroleum Corp. Box 1589; Tulsa, Okla, 74102 Twp. P.ge. If well produces oil or liquids, give location of tanks. ! 27 T 10-S (33-E Yes 11-12-68 If this production is commingled with that from any other lease or pool, give commingling order number: CTB172 IV. COMPLETION DATA Oil Well Same Res'v. Diff. Res'v Plug Back Designate Type of Completion - (X) Date Spudded Date Compl. Ready to Prod. Total Depth P.B.T.D. Elevations (DF, RKB, RT, GR, etc.) Name of Producing Formation Top Oil/Gas Pay Tubing Depth Perforations Depth Casing Shoe TUBING, CASING, AND CEMENTING RECORD HOLE SIZE CASING & TUBING SIZE DEPTH SET SACKS CEMENT (Test must be after recovery of total volume of load oil and must be equal to or exceed top allowable for this depth or be for full 24 hours) V. TEST DATA AND REQUEST FOR ALLOWABLE OIL WELL Producing Method (Flow, pump, gas lift, etc.) Date First New Oil Run To Tanks Date of Test Length of Test Choke Size Tubing Pressure Casing Pressure Oil-Bbls. Water - Bbis. Gas - MCF Actual Prod. During Test **GAS WELL** Actual Prod. Test-MCF/D Length of Test Bble. Condensate/MMCF Gravity of Condensate Testing Method (pitot, back pr.) Tubing Pressure (Shut-in) Casing Pressure (Shut-in) Choke Size VI. CERTIFICATE OF COMPLIANCE OIL CONSERVATION COMMISSION APPROVED I hereby certify that the rules and regulations of the Oil Conservation Commission have been complied with and that the information given above is true and complete to the best of my knowledge and belief.

March	MAURIC	
	(Signature)	
Agent		
	(Title)	

February 23, 1972

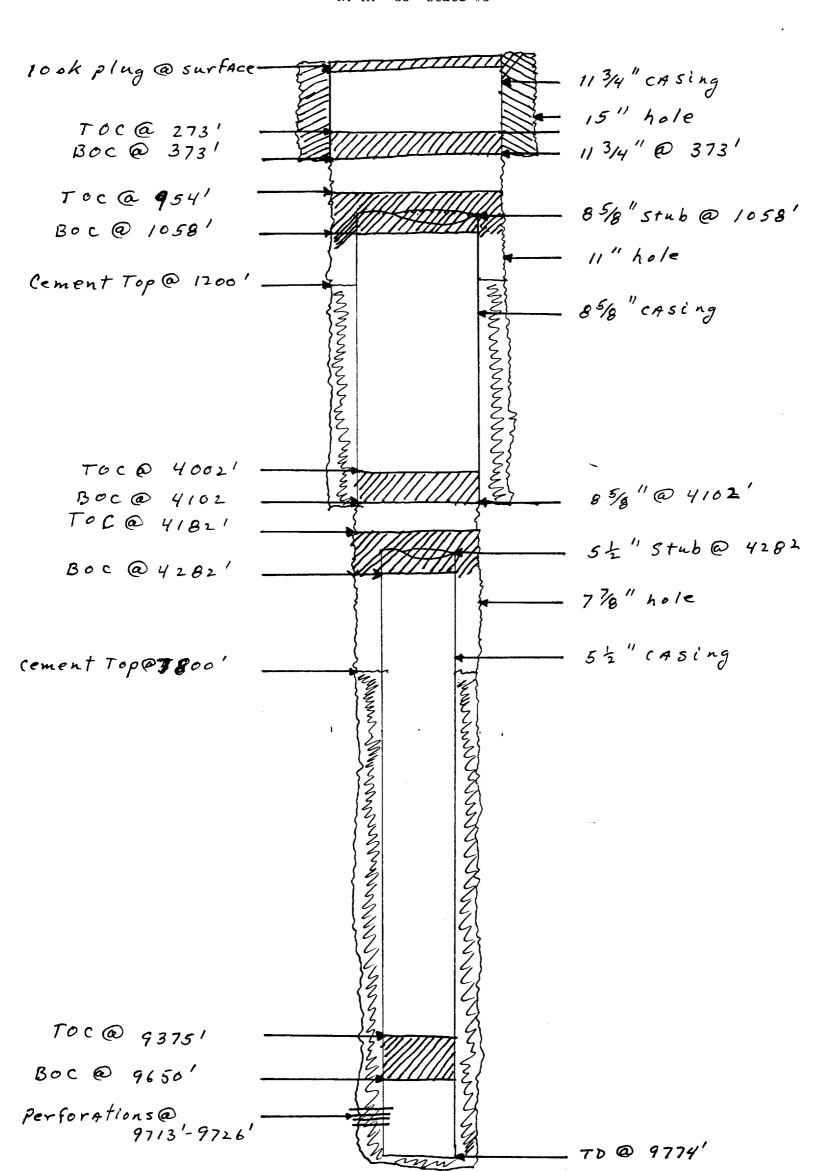
This form is to be filed in compliance with RULE 1104.

If this is a request for allowable for a newly drilled or deep well, this form must be accompanied by a tabulation of the deviation tests taken on the well in accordance with RULE 111.

All sections of this form must be filled out completely for allowable on new and recompleted wells.

Fill out only Sections I. II. III, and VI for changes of owner, all name or number, or transporter, or other such change of condition.

Separate Forms C-104 must be filed for each pool in multiply completed wells.



NO. OF COPI	ES RECEIVED							Form C-10	-		
DISTRIE	NOITUE							Supersede C-102 and			
SANTA FE			NEW M	EXICO OIL CONS	ERVATION C	OMMISSION		Effective			
FILE											
U.S.G.S.							5a.	_	Type of Leo	use _	
LAND OFFI	CE							State X	J	Fee.	
OPERATOR	:						5.	State Oil &	Gas Leas	e No.	
								F	9669		
		SUNDRY NO	TICES AN	D REPORTS ON	WELLS		1/	IIII.	77777	11111	III
(DO N	OT USE THIS FO	PRM FOR PROPOSAL	S TO DRILL OR	TO DEEPEN OR PLUG E	ACK TO A DIFFE	RENT RESERVOIR.			./////		////
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2. Name of Op					111	. 15 . 5 5 6	1 18.	Form or Le	ease Name		
עע	A Corno	ration				n 13 1983		T 7.4	"CC" :	Chata	
3. Address of	(A Corpo. Operator	(attoii			7412			V . IVI .		State	
1 40)	Power Pag	+ _ M:31:	and, Texas 7	OOH ICONS	ERVATION D	IVICIVII	2			
4. Location of	Well	lowers Las	t - Milaia	and, lexas /	970100	SANTA FE	10.	Field and	Pool, or W	Wildcat	
	~	206	E	7470.0+	•	_			•		
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			15. Elev			tc.)	12.	. County			.///
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10.		Check Appr	opriate Bo	x To Indicate N	lature of No	tice, Report	or Other	Data			
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TEMPORARILY	ABANDON T	Ę			COMMENCE OR	ILLING OPNS.	╗	PL	UG AND ABA	NDONMENT	$\overline{\mathbf{x}}$
PULL OR ALTE	R CASING	7	CH/	INGE PLANS	CASING TEST	AND CEMENT JOB					
	_	_			OTHER	_					
OTHER					-						. —
17. Describe F	Proposed or C	ompleted Operation	ns (Clearly st	ate all pertinent det	ails, and give p	ertinent dates, in	cluding esti	nated date	of starting	g any prop	osed
work) see	. ROLL 1103.										
1-14-72	Moved	in csg. pu	lling uni	t.							
1-15-72		30 sk plu	_								
11-16-72	-		•								
		hole w/22			- 1						
1-18-72				lled 21 jts.	b∄" csg.						
1-21-72	Spotted	l 30 sk plu	g @4282'	-4 182'.							
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_				1054'-954'.					F3 C		
1-24-72				273' & 10 s	r gurfago	nlug Ingt	alled m		s alon	200	
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18. I hereby co	ertify that the	information above	s is true and c	omplete to the best	of my knowledg	e and belief.		· -			-
	/ .	//	1.								
SIGNED	arin	1 (18/10)	LUHM	TITLE	Agent			DATE	12-14	-72	
~	- ///						1.	i	J07	8 18	472
`	Man	// /.				Coologi	Sī	•	1	ショント	

Geologist

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DISTRIBUTION		Supersedes Old C-102 and C-103
SANTA FE	NEW MEXICO OIL CONSERVATION COMM	
FILE		<u> </u>
U.S.G.S.		5a. Indicate Type of Lease State X Fee
LAND OFFICE		State A Fee 5. State Oil & Gas Lease No.
OPERATOR		
	NAME OF THE PERSON OF THE PERS	E9669
(DO NOT USE THIS FORM FOR PROUSE "APPLICAT	Y NOTICES AND REPORTS ON WELL OF THE PROPERTY OF PLUE BARE TO BE THE PROPERTY OF PROPERTY OF THE PROPERTY OF T	
OIL X GAS WELL	OTHER-	7. Unit Agreement Name
2. Name of Operator	74(50) 13	8. Form or Lease Name
KKA Corporation	CONSTRU	New Mexico "CC" St.
3. Address of Operator	SANTA	ION DIVISION 9. Well No.
405 Wall Towers East -	- Midland, Texas 79701 SANTA	10. Field and Pool, or Wildcat
	300F 34F4	
UNIT LETTER C	2065 FEET FROM THE <u>West</u> LINE AND 66	Inbe Penn
North	27 10 0	33 7 (1)
THE LINE, SECTION	ON 27 TOWNSHIP 10-S RANGE	33-E NMPM.
	15. Elevation (Show whether DF, RT, GR, etc.)	12. County
	4214 DF	Lea
16. Check	Appropriate Box To Indicate Nature of Notice	
_	NTENTION TO:	SUBSEQUENT REPORT OF:
PERFORM REMEDIAL WORK	PLUG AND ABANDON X REMEDIAL WORK	ALTERING CASING
TEMPORARILY ABANDON	COMMENCE ORILLIN	G OPNS. PLUG AND ABANDONMENT
PULL OR ALTER CASING	CHANGE PLANS CASING TEST AND C	EMENT JOB
	OTHER	
OTHER		
	perations (Clearly state all pertinent details, and give pertine	ent dates, including estimated date of starting any proposed
work) SEE RULE 1 103.		
PLUGGING PROCEDURE	?. 	
1) 30 sk cement plu	g @9650' perf. 9709-9721. Fill hole	w/9.5 laden fluid. 25xs 6e//1006bls
2) Top of Cement be	whind $5\frac{1}{2}$ " csg. @7800'.	106615
	m approx. 7700'.	
- - -	g on top of $5\frac{1}{2}$ " stub.	
	g @5350' - Top of Glorieta.	$\Lambda // / / / / / / / / / / / / / / / / / $
· •		All plays 100' length
	g @4102' - Bottom of 8-5/8" csg.	
	form approx. 1000' - 20 sk plug @st	ub. ´
	of 11-3/4 csg. 373'.	
9) 10 sk plug top of	11-3/4" csg; set marker; clean up l	ocation.
	, , ,	
	3 U las inting	ior to setting plags
	LI MV. NOTICE JIV	100 10 50/1/ng 1/195
18. I hereby certify that the information	above is true and complete to the best of my knowledge and	beilef.
with a second section	Andria	
SIGNED TO THE STATE OF THE STAT	fillia title Agent	DATE Oct. 17, 1972

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AND OFFICE PERATOR	FILE		WEL	L COMPLI	ETION OF	RECC	MPLETIC	DNAR	EPORT AN	ID LOG		
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The Core Completion of the Company Control of Section (No. 1) - Se	OPERATOR										////	
The Core Completion of the Company Control of Section (No. 1) - Se	a, TYPE OF WELL										7. Unit	Agreement Name
Type Electric and Cities Lose Hun. CASING RECORD (Report all strings see in well) CASING SIZE WEIGHT LB./FT. Deeth SET HOLE SIZE CEMENTING RECORD AMOUNT PULLED NO CASING SIZE WEIGHT LB./FT. Deeth SET HOLE SIZE CEMENTING RECORD AMOUNT PULLED SIZE TOP BOTTOM SACKS CEMENT SCREEN SIZE DEPTH SET POST DEETH SET			01L Y	GAS		1335	भन्नत्र	51	NV II.			
Cash Country Cash	b. TYPE OF COMPLE	TION	WELLLA	_ WELL	- اـــا	ORY L	College Street	E P	11/1/2	 	8. Farm	or Lease Name
Cash Country Cash	WELL NO	R	DEEPEN	PLUG BACK	DIF	Fin.	OTHER	4 14	16661		N. N	1. CC State
Address of Coperator P. O. Box 1600, Midland, Texas 79701 SANTA FE Inbe Permo Penn Location of Well Location Location Location of Well Location Loca	2. Name of Operator						100	10	1993		9. Well	
P. O. Box 1600, Midland, Texas 79701 SANTA FE Inbe Permo Penn Decided Incompleted Incompl		Refini	ng Com	pany		ולבין						•
Description of Nell Section 2065 Prest From The West Line Ano 660 Prest From The Line Ano 19, Ano Medical Another 19, Another The 19, Another Th	-)() M: I	1 1	T 70'	701	OIL						· · · · · · · · · · · · · · · · · · ·
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North Link greek 27 mm 10-5 msk 33-E masks 12 County Leak	1. Location of Well											
North Link greek 27 mm 10-5 msk 33-E masks 12 County Leak	C		20	65		West			660			
Case Date T.D. Reached 17, Date Charles 18, Date T.D. Reached 17, Date Compl. (Ready to Prod.) 18, Elevations (DF, RRB, RT, GR, etc.) 19, Elev. Combinity 4199	JNIT LETTER	LOCATE	·	FEET F	TROM THE		LINE AND	77	"////////////////////////////////////		12. Cor	11111111111111111111111111111111111111
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DE/mcb District Chief Engineer May 31 1968	35. List of Attachments			<u>-</u>							<u> </u>	
DE/mcb District Chief Engineer May 31 1968	-											
SIGNED TITLE District Chief Engineer DATE May 31, 1968	DE/mcb	1			es of this fo	rm is tru	e and compl	ete to	the best of m	y knowledg	e and b	elief.
	SIGNED		(- · · · ·	<u> </u>	TIT	LE _Di	strict	<u>Chi</u>	ef Engine	eer_	DATE	May 31, 1968

INSTRUCTIONS

This form is to be filed with the appropriate District Office of the Commission not later than 20 days after the completion of any newly-drilled or deepened well. It shall be accompanied by one copy of all electrical and radio-activity logs run on the well and a summary of all special tests conducted, including drill stem tests. All depths reported shall be measured depths. In the case of directionally drilled wells, true vertical depths shall also be reported. For multiple completions, Items 30 through 34 shall be reported for each zone. The form is to be filed in quintuplicate except on state land, where six copies are required. See Rule 1105.

INDICATE FORMATION TOPS IN CONFORMANCE WITH GEOGRAPHICAL SECTION OF STATE

Rustler Anhy 1897 Southea	stern New Mexico	Northwes	tem New Mexico
T. Anhy	_ T. Canyon	T. Ojo Alamo	T. Penn. "B"
T. Salt	T. Strawn	T. Kirtland-Fruitland	T. Penn. "C".
	T. Atoka	T. Pictured Cliffs	T. Penn. "D"
T. Yates2578	T. Miss	T. Cliff House	T. Leadville
T. 7 Rivers	T. Devonian	T. Menefee	T. Madison
T. Queen	T. Silurian	T. Point Lookout	T. Elbert
			T. McCracken
T. San Andres <u>3864</u>	_ T. Simpson	T. Gallup	T. Ignacio Qtzt:
T. Glorieta 5303	T. McKee	Base Greenhorn	T. Granite
T. Paddock	T. Ellenburger	T. Dakota	T
T. Blinebry	T. Gr. Wash	T. Morrison	T
т. тивь 6772	T. Granite	T. Todilto	T
	T. Delaware Sand	T. Entrada	т
		-	T
		T. Chinle	
T. Penn		4	T
T XXXX (Bough C) 9704	т	T. Penn [?] "A"	T

FORMATION RECORD (Attach additional sheets if necessary)

From	То	Thickness in Feet	Formation	From	То	Thickness in Feet	Formatio a
0	519	519	Surface				
519	1770	1251	Red Bed and Sand	ſ			
1770	1975	205	Rustler and Anhydrite	1. 7	 		
1975	2568	593	Salt]			
2568	2707	139	Anhydrite				
2707	3287	580	Anhydrite and Salt				
3287	3860	573	Anhydrite				•
3860	3930	70	Dolomite				
3930	4032	102	Anhydrite				
4032	4102	70	Dolomite			ļ	
4102	7600	3498	Lime				
7600	7665	65	Sahle and Lime				
7665	7873	208	Shale				
7873	7573	100	Lime and Shale .				
7973	8:)04	31	Shale		Ì		
8004	8277	273	Sahle and Lime				
8277	8567	290	Lime				
8567	8617	53	Lime and Dolomite				
8617	8735	118	Lime		}		
8735	8769	34	Dolomite		l		
8769	8853	84	Lime				
8853	8871	18	Dolomite and Chert		1	1	`
8871	8928	57	Lime and Chert	ll .		· ·	
8928	9046	118	Lime		1		,
9046	9097		Lime and Sand	ľ		1	
9097	9165	68	Lime		ļ		
9165	9224	59	Lime, Sand, and Chert		1		
9224	9791	567	Lime and Sand		<u> </u>		

NO. OF COPIES RECEIVED				T
	 			Form C-103 Supersedes Old
DISTRIBUTION	-	HUBBS OF FICE	ERVATION COMMISSION	C-102 and C-103
SANTA FE	1 1			Effective 1-1-65
FILE		May 29 11 2.	AM 2CO	
U.S.G.S.	 	11 Z4	HI. 00	5a. Indicate Type of Lease
LAND OFFICE		i		State X Fee
OPERATOR				5. State Oil & Gas Lease No.
	<u> </u>			B-7016
(DO NOT USE THIS F	SUNDRY NOTICES ORM FOR PROPOSALS TO DRIVE E "APPLICATION FOR PERMIT	AND REPORTS ON	WELLS ACK TO A DIFFERENT RESERVOIR.	
1.	S OTHER-		्राष्ट्री हो हो हो ए । जो हो दिए हो (W)	7. Unit Agreement Name
2. Name of Operator Humble Oil &	Refining Compan	v	1 1983 Jun 13 1983	B. Farm or Lease Name New Mexico "CC" State
3. Address of Operator		· · · · · · · · · · · · · · · · · · ·	, 1411	9. Well No.
Box 1600, Mic	dland, Texas 797	01	OIL CONSERVATION OF	14101-11 3
4. Location of Well		·	SANTA FE	10. Field and Pool, or Wildcat
UNIT LETTERC	2065 FEE	T FROM THE West	LINE AND 660 FEE	Undesignated
THE north	LINE, SECTION 27	township10-S	RANGE33-E	NMPM. ((()))
	15.	Elevation (Show whether		12. County
Ö		4,214	t	Lea ////////
16.	Check Appropriate	Box To Indicate N	ature of Notice, Report of	or Other Data
NOT	ICE OF INTENTION			UENT REPORT OF:
_				_
PERFORM REMEDIAL WORK		PLUG AND ABANDON	REMEDIAL WORK	ALTERING CASING
TEMPORARILY ABANDON			COMMENCE DRILLING OPNS.	PLUG AND ABANDONMENT
T T		CHANGE PLANS	· · · · · · · · · · · · · · · · · · ·	7
PULL OR ALTER CASING		CHARGE PLANS	CASING TEST AND CEMENT JOB X	<u></u>
PULL OR ALTER CASING			OTHER	
OTHER			-	
OTHER	Completed Operations (Class		OTHER	
OTHER	Completed Operations (Clea		OTHER	cluding estimated date of starting any proposed
17. Describe Proposed or C work) SEE RULE 1103. Set 8 5/8" cas 200 sx Incor No	ing (4,080'), 24 eat cement 2% Ca	rly state all pertinent det. #, J-55, at 410	OTHER	Sluding estimated date of starting any proposed 350 sx Incor 8% gel and
17. Describe Proposed or C work) SEE RULE 1103. Set 8 5/8" cs.s	ing (4,080'), 24 eat cement 2% Ca	rly state all pertinent det. #, J-55, at 410	other	Sluding estimated date of starting any proposed 350 sx Incor 8% gel and
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17. Describe Proposed or G work) SEE RULE 1103. Set 8 5/8" cas 200 sx Incor N complete 4-13-	ing (4,080'), 24 eat cement 2% Ca 68.	#, J-55, at 410 lcium Chloride.	other	Sluding estimated date of starting any proposed 350 sx Incor 8% gel and
17. Describe Proposed or C work) SEE RULE 1103. Set 8 5/8" cas 200 sx Incor No	ing (4,080'), 24 eat cement 2% Ca 68.	#, J-55, at 410 lcium Chloride.	other	Sluding estimated date of starting any proposed 350 sx Incor 8% gel and
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				Form C-103	
DISTRIBUTION				Supersedes Old C-102 and C-103	
SANTA FE	NEW MEXICO	L CONSERVATION COMM	ISSION	Effective 1-1-65	
FILE -					
U.S.G.S	i - lin	1 11 54 AM '68		5a, Indicate Type of Lease	
LAND OFFICE		11 54 111 00		State X Fee	
OPERATOR	71.3			5. State Oil & Gas Lease No.	
	ı			B-7016	
SINDP	Y NOTICES AND BEDO	OTS ON WELLS			IIII
GO NOT USE THIS FORM FOR PRO	IPOSALS TO DRILL OR TO DEEPEN	OR PLUG BACK TO A DIFFERENT R	ESERVOIR.		
1.		्राची स्ट्रिक्ट	MODELE	7. Unit Agreement Name	
OIL X GAS WELL	OTHER-	\$ 5 10 L			
2. Name of Operator			** • • • • • • • • • • • • • • • • • •	8, Farm or Lease Name	
Humble Oil & Refining O	Company	iii jun 1:	3 1983	New Mexico "CC" Sta-	te l
3. Address of Operator		1413		g. Well No.	_
Box 1600, Midland, Texa	as 7970l	OIL CONSERVA	MUN DIVISION	3	
4. Location of Well		SANT	A.ES	10. Field and Pool, or Wildcat	
C 20	065 we	st 660)	Undesignated	
UNIT LETTER C	FEET FROM THE	LINE AND	FEET FROM		7777
THE north LINE, SECTION		10-S RANGE3			
THE LINE, SECTION	TOWNSHIP _	RANGE	NMPM.		
	15. Elevation (Show	whether DF, RT, GR, etc.)		12. County	1111
	4,214' DE	7		Lea	
16. Charle	Appropriate Per To Ind	iaaa Nama af Naisa	n 0.1		777
	Appropriate Box To Ind	icate Nature of Notice			
NOTICE OF IN	TENTION TO:		SUBSEQUENT	REPORT OF:	
	- 1				
PERFORM REMEDIAL WORK	PLUG AND ABAN		片	ALTERING CASING	H
TEMPORARILY ABANDON		COMMENCE DRILLING		PLUG AND ABANDONMEN	· —
PULL OR ALTER CASING	CHANGE PLANS	CASING TEST AND CE	ENT ADL THEME		
07117		OTHER			_ L
OTHER					
	(01 1 17				
17. Describe Proposed or Completed Op	erations (Clearly state all per	inent details, and give pertine	ent dates, including	estimated date of starting any pro	posed
17. Describe Proposed or Completed Op work) SEE RULE 1603.	erations (Clearly state all peri	inent details, and give pertine	ent dates, including	estimated date of starting any pro	posed
WORK) SEE RULE 1103.					posed
Set 9774' of 5 1/2" ca	asing, N-80 and J-5	55, 14#, 15.5# and	17#, at 979	O' and cemented with	
Set 9774' of 5 1/2" ca 125 sx Reg. 12% w/.3%	asing, N-80 and J-5	55, 14#, 15.5# and	17#, at 979	O' and cemented with	
Set 9774' of 5 1/2" ca	asing, N-80 and J-5	55, 14#, 15.5# and	17#, at 979	O' and cemented with	
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Set 9774' of 5 1/2" ca 125 sx Reg. 12% w/.3%	asing, N-80 and J-5	55, 14#, 15.5# and	17#, at 979	O' and cemented with	
Set 9774' of 5 1/2" ca 125 sx Reg. 12% w/.3%	asing, N-80 and J-5 HR-7 and 200 sx Ir	55, 14#, 15.5# and ncor. Tested casin	17#, at 9790g to 1000# f	O' and cemented with	
Set 9774' of 5 1/2" ca 125 sx Reg. 12% w/.3% 5-9-68.	asing, N-80 and J-5 HR-7 and 200 sx Ir	the best of my knowledge and	17#, at 9790g to 1000# f	O' and cemented with	
Set 9774' of 5 1/2" ca 125 sx Reg. 12% w/.3% 5-9-68.	asing, N-80 and J-5 HR-7 and 200 sx Ir	the best of my knowledge and	17#, at 9790g to 1000# f	O' and cemented with	
Set 9774' of 5 1/2" ca 125 sx Reg. 12% w/.3% 5-9-68.	asing, N-80 and J-5 HR-7 and 200 sx Ir	the best of my knowledge and	17#, at 9790g to 1000# f	O' and cemented with	
Set 9774' of 5 1/2" ca 125 sx Reg. 12% w/.3% 5-9-68.	asing, N-80 and J-5 HR-7 and 200 sx Ir	the best of my knowledge and	17#, at 9790g to 1000# f	O' and cemented with	
Set 9774' of 5 1/2" ca 125 sx Reg. 12% w/.3% 5-9-68.	asing, N-80 and J-5 HR-7 and 200 sx Ir	the best of my knowledge and	17#, at 9790g to 1000# f	O' and cemented with for 30 min. Job comp	
Set 9774' of 5 1/2" ca 125 sx Reg. 12% w/.3% 5-9-68.	asing, N-80 and J-5 HR-7 and 200 sx Ir	the best of my knowledge and	17#, at 9790g to 1000# f	O' and cemented with	

<u> </u>	4	Form C-103
DISTRIBUTION		Supersedes Old C-102 and C-103
SANTA FE	NEW MEXICO OIL CONSERVATION COMMISSION	
FILE		
U.S.G.S.		5a. Indicate Type of Lease
LAND OFFICE	1	State X Fee
OPERATOR		5. State Oil & Gas Lease No.
		B-7016
SUNDR (DO NOT USE THIS FORM FOR PRO USE "APPLICAT	RY NOTICES AND REPORTS ON WELLS OPOSALS TO DRILL OR TO DEEPEN OR PLUG BACK TO A DIFFERENT RESERV TION FOR PERMIT —" (FORM C-101) FOR SUC SUC STANDARD CONTROL OF THE PROPERTY.	OIR.
1. OIL V GAS	018(C)81(V)	7. Unit Agreement Name
2. Name of Operator	отнея- g Company 301 13 1983	8. Farm or Lease Name
Humble Oil & Refining 3. Address of Operator	3 Company 3011 13 1903	New Mexico "CC" State
Box 1600, Midland, Te		ISION 3
4. Location of Well	SANTA FE	10. Field and Pool, or Wildcat
UNIT LETTER C 2	2065 FEET FROM THE West LINE AND 660	Undesignated
THE north Line, SECTION	on 27 TOWNSHIP 10-S RANGE 33-E	NMPM.
mmmmmm	15. Elevation (Show whether DF, RT, GR, etc.)	12. County
	To be filed later	Lea
16. Check	Appropriate Box To Indicate Nature of Notice, Rep	port or Other Data
		BSEQUENT REPORT OF:
PERFORM REMEDIAL WORK	PLUG AND ABANDON REMEDIAL WORK	ALTERING CASING
TEMPORARILY ABANDON	COMMENCE DRILLING OPNS	PLUG AND ABANDONMENT
PULL OR ALTER CASING	CHANGE PLANS CASING TEST AND CEMENT	JOB X
_	OTHER	
OTHER		
17. Describe Proposed or Completed Op	perations (Clearly state all pertinent details, and give pertinent dat	es, including estimated date of starting any proposed
work) SEE RULE 1 103.		, , , , , ,
Set 351' of 11 3/4" c Chloride. POB 3:45 AM 30 min, OK.	casing, H-40, at 373 and cemented with 35 M 4-7-68. Cir. out 50 sx. WOC 18 hrs.	60 sacks 4% gel 2% Calcium Pressured up w/500# Pr. for
		, <u>,</u>
		· .
		S Arg 19 Ag 8 gr
		83 firm 19 Am 13 an
		83 fire 19 fig 8 45
18. I hereby certify that the information	n above is true and complete to the best of my knowledge and belief,	
18. I hereby certify that the information	above is true and complete to the best of my knowledge and belief,	
18. I hereby certify that the information SIGNED 2. Ulem	n above is true and complete to the best of my knowledge and belief.	
18. I hereby certify that the information SIGNED D. F. Clemener		4 11 60
18. I hereby certify that the information SIGNED D. Clement	TITLE Unit Head	DATE 4-11-68
APPROVED BY APPROVED BY		4 11 60
18, I hereby certify that the information SIGNED D. Clement APPROVED BY CONDITIONS OF APPROVAL, IFANY	TITLE Unit Head	DATE 4-11-68

- NO. OF COPIES RECEIVED		<u>;</u> 5.) .	· 111
DISTRIBUTION	NEW	MEXICO OIL CONSER	VATION COMMISSI	ON F	om C-101	
SANTA FE	·	/4	•	· -	Revised 1-1-6	·
FILE		سيبيو يوسي				Type of Lease
U.\$.G.S		្នា នៃពីទ	(1月)	ain: L	STATE	
LAND OFFICE		E a		~\ [& Gas Lease No.
OPERATOR			uni क्रम क्रमेने		B-701	6
	· · · · · · · · · · · · · · · · · · ·		गण 15 छिडे			
	N FOR PERMIT TO	DRILL, DEEP LAL	R PLUG BACK			
1a. Type of Work			MSERVATI		7. Unit Agre	ement Name
DRILL [DEEPEN	SANTA FE	G BACK	·	
b. Type of Well					8. Form or L	
OIL X SAS WELL	GTHER		ZONE X	ZONE		xico "CC" State
2. Name of Operator	C OIL & DESTICA	a aonton 1177	=		9. Well No.	
	E OIL & REFININ	G COMPANY			<u> </u>	3
3. Address of Operator			117 March 1981		10. Field	d.Pool, pr.Wildcat
BOX 1600, MID	LAND, TEXAS	·			Inbe-Pe	enn.
	R Loc	ATED 2065 PE	ET FROM THE -Wes	III Line		
,	e			1	11/1/1/1	
AND 660 FEET FROM	THE North - LIN	E APSEC. 27 TV		33-E. HMPM (
		HHIIIHH	7777777111	14/1/1/12	12. County	THITIH
				77111113	Lea	
Hillimi				HHHH	111111	HITTITI
		111111111111111111111111111111111111111	Proposed Depth	19A. Formation		20. Rotary or C.T.
			9800	Penn. Bo	ough "C	' Rotary
21. Elevations (Show whether DF,			B. Drilling Contracto			. Date Work will start
To be filed later	Blanke	et on file N	McVay Drlg. (Co	3-30	0-68
23.		ROPOSED CASING AND	CEMENT PROGRAM			
<u> </u>	·	,	·····			
SIZE OF HOLE	SIZE OF CASING					EST. TOP
15"	11-3/4"	42#	3501	300		circ. to surfac
11"	8-5/8"		4100'	450	sks.	**
7 5/8"	5-12"	17#, 15.5# &	9800.	300	5K5.	
•	•	14#	•	•		•
* Circulate	to approximate	1v 25001 w/89	6 Gel and 200) sks no:	+ aamar	nt on bottom
	co approximace	Ty 2500 W/0/	o Ger and Zur	o sks. Hed	ic cemer	ic on boccom.
** Circulate	tó approximate	TV 80001 W/129	Gel and 200) ske nos	t camar	at on bottom
312341433	oo approximace	19 0000 W/12/	o oci and zor	Jaka. Hee	ic cemer	ic on boccom.
Minimum mu	d for samples					,
	od of cementing	a to be used.				
	02 00	.g co be asca.				
		•		APPROVI	N. Carlotter and Carlotter	•
THE COLUMN TON TO	Ut i			FOR 90 DA	The United States	,
			,	POR LUTE GO S.	Court Nil Arres	41
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IN ABOVE COACE DESCRIPE DO	ROPOSED PROGRAM: IF	-	Plug back, give data	. AM BOESENT POO	DUCTIVE ZONE	AND PROPOSED NEW PRODUC-
TIVE ZONE. GIVE BLOWOUT PREVENT	TER PROGRAM, IF ANY.			FREDERI PRO		
I hereby certify that the informati	on above is true and com	plete to the best of my kn	owledge and belief.			
(XFV)	17Ton	D +	nd on Company		M	-b 00 7000
Signed Colone		TuleProrat	ion Supervi	or .	Date Marc	ch 28, 1968
(This space for	State Use)					
						
APPROVED BY	1	TITLE	e e		DATE	•
CONDITIONS OF ASSESSMENT	F ANY. /				<u></u>	
CONDITIONS OF APPROVAL, II	FANT:			-		

Humble Lae.No-	220234
State Lse. No	

NEW MEXICO OIL CONSERVATION COMMISSION WELL LOCATION AND ACREAGE DEDICATION PLAT



Form C-102 Supersedes C-128 Effective 1-1-65

deral Lse. No			- All distan	ces must be f	rom the out	er boundarie	es of th	e Section.		<u> </u>	
perator)					Lease	٠.				Well No.	
Humble Oil	å Refi	ning Co.			1	New Mex	ico '	"CC" St	tate	3	
Jnit Letter	Section	on a	Township		Ronge	e .	10	County			
C		27	10	South		33 East	t		Lea		
Actual Footage Loc	ation o	f Well:	- L	·							
660	faat	from the	North	line and	206	5	inat i	rom the	West	14	
Fround Level Elev:		Producing Fo		Time dita	Pool		1eet 1	ion the	7020	line Dedicated Acreage:	
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interest ar	an one	ne lease is alty).	dedicated	to the wel	l, outline dedicated	each and	ident	ify the o	wnership th	nereof (both as to work	
Yes If answer this form i	is "n f nece	No If a o," list the essary.)	owners and	yes," type o	f consolic	which hav	e actu	nally bee	ed (by com	nted. (Use reverse side munitization, unitization approved by the Comm	on,
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	<u> </u>			—					Certificate N	10. 12 do	
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u.s.g.s.			
LAND OFFICE			
IRANSPORTER	OIL		
	GAS		
OPERATOR			

		4		
	DISTRIBUTION		CONSERVATION COMMISSION	Form C-104
	SANTA FE	REQUEST	FOR ALLOWABLE	Supersedes Old C-104 and C-11 Effective 1-1-65
	U.S.G.S.	AUTHORIZATION TO TR	AND	• • •
	LAND OFFICE	AUTHORIZATION TO TRA	ANSPORT OIL AND NATURAL O	GAS
	I RANSPORTER OIL	†		
	GAS	<u>]</u>		
	OPERATOR			
1.	PRORATION OFFICE Operator			
	1 -		ារ៉ាឡា	र्वाचित्रिक क
	KKA Corporation		33.5	-12-01-4 W 3-2 1 1 3
	400 Wall Towers West;	Midland Tayas 79701	1	N 13 1983
	Reason(s) for filing (Check proper box)	Other (Please explain)	N 13 1983
	New Well	Change in Transporter of:		EES AND THE COLUMN AND ADDRESS OF THE COLUMN ASSESSMENT AND ADDRESS OF THE COLUMN ASSESSMENT ASSESS
	Recompletion	Oil Dry Ga		ERVATION DIVISION
	Change in Ownership X	Casinghead Gas Conder	nsate	SANTA FE
	If change of ownership give name			
	and address of previous owner	Amini Oil Corporation: 40	10 Wall Towers West; M	idland, Texas 79701
11	DESCRIPTION OF WELL AND	TEASE J		
**.	Lease Name	Well No. Pool Name Including Fo		50000
	New Mexico "CC" State	e 3 InberPennsylv	ranian State, Federa	or Fee State E9669
	Location			
	Unit Letter C ; 20	65 Feet From The West Lin	se and 660 Feet From 7	rhe North
	0.7	10.0		
	Line of Section 27 Tox	wnship 10-S Range	33-Е , ммрм, Lea	County
777	DESIGNATION OF TRANSPORT	TED OF OIL AND NATURAL CA	e.	
111.	Name of Authorized Transporter of Oil	TER OF OIL AND NATURAL GA Or Condensate	Address (Give address to which approx	ved copy of this form is to be sent)
	Amoco Pipeline Compan	v	P.O. Box 3119: Midlar	nd Tayas 79701
	Name of Authorized Transporter of Cas	singhead Gas 📉 or Dry Gas 🗔	Address (Give address to which approx	
	Warren Petroleum Corp.		P.O. Box 1589: Tulsa.	Okla, 74102
	If well produces oil or liquids,	Unit Sec. Twp. P.ge.	Is gas actually connected? Whe	n
	give location of tanks.	J 27 10-S 33-E	Yes	5-21-68
	· · · · · · · · · · · · · · · · · · ·	th that from any other lease or pool,	give commingling order number:	
IV.	COMPLETION DATA	Oil Well Gas Well	New Well Workover Deepen	Plug Back Same Res'v. Diff. Res'v.
	Designate Type of Completic	pn = (X)		1 1
	Date Spudded	Date Compl. Ready to Prod.	Total Depth	P.B.T.D.
	Elevations (DF, RKB, RT, GR, etc.,	Name of Producing Formation	Top Oil/Gas Pay	Tubing Depth
	Perforations			Depth Casing Shoe
		TUBING, CASING, AND	CEMENTING RECORD	
	HOLE SIZE	CASING & TUBING SIZE	DEPTH SET	SACKS CEMENT
		<u> </u>		
v.	TEST DATA AND REQUEST FO	OR ALLOWABLE (Test must be at	fter recovery of total volume of load oil	and must be equal to or exceed top allow-
••	OIL WELL	able for this de	pth or be for full 24 hours)	
	Date First New Oil Run To Tanks	Tate of Test	Producing Method (Flow, pump, gas lif	t, etc.)
	I so set of Tree	Fubing Pressure	Casing Pressure	Choke Size
	Length of Test	. ubing Pressure	Cusing Pressure	Child Sile
	Actual Prod. During Test	Oil-Bbis.	Water - Bbis.	Gas-MCF
,			<u> </u>	
	GAS WELL			
	Actual Prod. Test-MCF/D	Length of Test	Bbls. Condensate/MMCF	Gravity of Condensate
	Testing Method (pitot, back pr.)	Tubing Pressure (shut-in)	Casing Pressure (Shut-in)	Choke Size
	rating management projects	, and , in the case (Same-Sa)		0.020 0.20
VI.	CERTIFICATE OF COMPLIANCE	CF	OIL CONSERVA	TION COMMISSION
• ••	CENTIL OF COMPLIANCE		HAN Y	7 1977
	I hereby certify that the rules and r	egulations of the Oil Conservation	APPROVED	, 19
	Commission have been complied washove is true and complete to the	ith and that the information given	BY JOHN	in n
	is the complete to the	andr or int windwinder sile pariety		
		1	TITLE/	
	d 11	·	This form is to be filed in c	compliance with RULE 1104.
-	1)631 x. Ch	Corice	If this is a request for allow	able for a newly drilled or deepened
	(Signa	iture)	well, this form must be accompar tests taken on the well in accom-	nied by a tabulation of the deviation dance with RULE 111.
	Agent (Tit	·	All sections of this form mus	st be filled out completely for allow-
	Fwbruary 23, 197 <u>2</u>	·-·,	able on new and recompleted we	
	PWDIUMRY 23, 1972	te)		, III, and VI for changes of owner, er, or other such change of condition.
		,		the fitted for each most to multiplet

All sections of this form must be filled out completely for allowable on new and recompleted wells.

Fill out only Sections I. II. III. and VI for changes of owner, well name or number, or transporter, or other such change of condition.

Separate Forms C-104 must be filed for each pool in multiply completed wells.

NEW MEXICO OIL CONSERVATION COMMISSION REQUEST FOR ALLOWABLE

Form C-104
Supersedes Old C-104 and C-110
Effective 1-1-65

NO. OF COPIES REC	Ĺ		
DISTRIBUTIO			
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LAND OFFICE	·		
TRANSPORTER	OIL		
	GAS		
OPERATOR			
PRORATION OF			

III.

IV.

PILE	4	ANO:	Ettactiva 1-1-02		
U.S.G.S.	AUTHORIZATION TO TRA	NSPORT OIL AND NATURAL G	AS		
LAND OFFICE	4	<u> </u>			
TRANSPORTER OIL	4				
GAS	4				
OPERATOR	4				
PRORATION OFFICE					
•		र है ते हैं	int stroke this		
Amini Oil Corporation		101)S			
	t, Midland, Texas 7970	1			
Reason(s) for filing (Check proper box			1111: 13 1933 IIII		
New Well		Other (Please explain)			
	Change in Transporter of:	GIL CC	DNSERVATION DIVISION		
Recompletion	Oil Dry Ga	* 	SANTA FE		
Change in Ownership X	Casinghead Gas Conden	nsute			
If change of ownership give name					
and address of previous owner	Humble Oil & Refining (Co. P.O. Box 1600, Mid	land, Texas 79701		
DESCRIPTION OF WELL AND	Weil No. Pool Name, Including Fo	ormation Kind of Lease			
	i 1	l l			
New Mexico "CC" Sta	ite 5 libe-reimsy	Ivalitati Side, Federdi	or Fee State E9669		
Location					
Unit Letter C ; 206	5 Feet From The West Line	e and 660 Feet From T	he North		
2.7	10 C	22 F T-2	•		
Line of Section 27 Tow	waship 10-S Range	33-E , _{NMPM} , Lea	County		
		_			
Name of Authorized Transporter of Oil	rer of oil and natural ga	Address (Give address to which approv	ad annual abia (am ia an ba annu		
		1			
Service Pipeline Comp Name of Authorized Transporter of Cas		3411 Knoxville, Lubbo			
Warren Petroleum Cor		P.O. Box 1589, Tulsa			
Walten Felloleum Corp	·		·		
If well produces oil or liquids,	Unit Sec. Twp. Rge.	Is gas actually connected? Whe			
give location of tanks.	I 27 10-S 33-E	Yes	5-21-68		
If this production is commingled wit	th that from any other lease or pool,	give commingling order number:	-		
COMPLETION DATA	100 W. 11 100 W. 11	[V. 9.11 V. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1.			
Designate Type of Completio	on - (X)	New Well Workover Deepen	Plug Back Same Res'v. Diff. Res'v.		
		Track Davids	0.270		
Date Spudded	Date Compi. Ready to Prod.	Total Depth	P.B.T.D.		
Eleventer (DE DVD DE OD		m - 011/0 - 0			
Elevations (DF, RKB, RT, GR, etc.)	Name of Producing Formation	Top Oil/Gas Pay	Tubing Depth		
	<u> </u>		Darah Castan Shaa		
Perforations			Depth Casing Shoe		
	T	CEMENTING RECORD			
HOLE SIZE	CASING & TUBING SIZE	DEPTH SET	SACKS CEMENT		
			,		
		<u> </u>			
TEST DATA AND REQUEST FO	OR ALLOWABLE (Test must be af	fter recovery of total volume of load oil a	nd must be equal to or exceed top allow-		
OIL WELL		pth or be for full 24 hours) Producing Method (Flow, pump, gas life	200		
Date First New Oil Run To Tanks	Date of Test	Producing Method [riow, pamp, gas iii]	, etc./		
	Tubing Pressure	Casing Pressure	Choke Size		
_ength of Teet	Tubing Preseure	Cusing Pressure	Chore Size		
	Cii-Bbis.	Water-Bbls.	Gas - MCF		
Actual Prod. During Test -	OII-BBIS.	water-bbis.	GdB-MCF		
A					
Actual Prod. Test-MCF/D	Length of Test	Bbls. Condensgte/MMCF	Complex of Condensate		
Actual Prod. 1991-MCP/D	Langth of 1980	Bbts. Condensate/MMCF	Gravity of Condensate		
Transport (alter back as)	Tubing Brancing (man 40)	Cost-a Persona (Shartain)	Chaha Cina		
Testing Method (pitot, back pr.)	Tubing Pressure (Shut-in)	Casing Pressure (Shut-in)	Choke Size		
	L	1			
CERTIFICATE OF COMPLIANC	Œ	OIL CONSERVA	TION COMMISSION		
		1 11N 25 1			
I hereby certify that the rules and r	egulations of the Oil Conservation	APPROVED			
Commission have been complied washove is true and complete to the	best of my knowledge and belief.	BY ACC	hel		
	,	1 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2			
•		TITLE	Proceedings of the second		
\sim \sim \sim \sim \sim \sim		This form is to be filed in c	ompliance with RULE 1104.		
(, K. ~//l	X-	If this is a request for allow	ble for a newly drilled or deepened		
(Signa	•	well, this form must be accompanied by a tabulation of the deviation tests taken on the well in accordance with RULE 111. All sections of this form must be filled out completely for allow-			
Contro	ller				
		. ALL SECTIONS OF UNIS TOTAL DIG	, ~ ~~~ ~~~~paretral 100 #000m-		

June 21, 1971

(Date)

able on new and recompleted wells.

Fill out only Sections I. II. III. and VI for changes of owner, well name or number, or transporter, or other such change of condition. Separate Forms C-104 must be filed for each pool in multiply completed wells.

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SANTA FE			-					
FILE								
U.S.G.S.			.3					
LAND OFFICE			7 2					
TRANSPORTER	OIL	-	1.7					
, MARIO ON CR	GAS		<u> </u>					
OPERATOR								
PROBATION OF	ICE							

NEW MEXICO OIL CONSERVATION COMMISSION REQUEST FOR ALLOWABLE TO SEE 2. C. C.

Form C-104 Supersedes Old C-104 and C-110
Effective 1-1-65

	FILE								AND				ttacttae 1-1-9	5
	U.S.G.S.	į		,	AUT	HORIZ	ZATION	N TO TR	ANSPORT	HANL34ND	NATURA:	L.GAS		
	LAND OFFICE		-	2						1 141-0-1-1-1-1	23111	768		
	TRANSPORTER _	OIL		-										
		GAS	=	?										
	OPERATOR													
1	PRORATION OFFI	CE		\neg										
•	Operator													
	Humble	0i1	and	Re	efining	Comp	bany					3376	तज्ञ	
	Address					<u>'</u>						1	<u> </u>	(V) (1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
	Box 16	00. N	Midl	and	, Texa	s 797	701					140	The state of the s	11
	Reason(s) for filing (C				,					Other (Pleas	l-i-1	- 133	1 Tr. 1 Tr. 10	55.5 -
	New Well	71 71	oper o	<i>(</i>)	O1	=				Other (Pleas	e explain)		OH TO 18	383
	· · · · · · · · · · · · · · · · · · ·	~				e in Tro	nsporter	/	_			C1 5 2	متابع معاد الاجامر، دادر ماه "-مد يتراطعم	(الله
	Recompletion	=			Oil		H.	Dry C	ias 🗀			O'T COM	SERVATION	V DIVISION
	Change in Ownership				Casing	head G	as	Cond	ensate				SANTA F	<u>.</u>
	15 -1					-		<i>A</i> ,						
	If change of ownershi and address of previo			•			4-	70						
	end Eddicas of picvic	Jus Owi					/	/						
Ħ.	DESCRIPTION OF	WELL	. ANI	n r	FASE)			
	Lease Name	WELLI	<u>u zala</u> i	<u>U. L.</u>		lo. Poc	ol Name,	Including	Formation		Kind of Le	ease		Lease No.
	N. M. CC Sta	te			3	In	he Pe	rmo Pe	nn		State, Fed	leral or Fee	State	B-7016
	Location					1 111	100 10	1 1110 1 6		· · · · · · · · · · · · · · · · · · ·				
	_	^	20	065			141							
	Unit Letter	<u> </u>	:	065	Feet I	From Th	he <u>We</u>	stL	ne and	660	Feet Fro	om The	North	
						_			22.	_				
	Line of Section	<u> 27 </u>	1	Γown	ship	<u> 10-s</u>		Range	33 - [, NMPN	л, l	_ea		County
II.	DESIGNATION OF					IL AN	D NAT	URAL G						
	No of Authorized Ci	ransport	er of (OH [× 01	Conde	nsate [i i			proved copy of		o be sent)
	Service Pipe L	ine	Comr	oan [,]	V				3411	Knoxvill	le Ave	, Lubbock	. Texas	
	Name of Authorized Tr	ransport	er of (Casin	nghead Gas		or Dry G	as .	Address	Give address	to which ap	proved copy of	this form is to	o be sent)
	Warren Petrole	eum C	orpo	ora	tion	_		_	_	1589 , Tul				
						Sec.	Twp.	P.ge.		tually connect		When		
	If well produces oil or give location of tanks.	-	•	,	ا ل	27	1	1					. 0	
		<u> </u>			<u> </u>		<u> 10-S</u>	<u>;33-E</u>	Yes			5-21-6	08	• .
	If this production is		gled v	with	that from	any of	her leas	e or pool	, give comm	ningling orde	r number:			
V.	COMPLETION DAT	TA_				1 0 11 111			1					
	Designate Type	of Co	mnle	tion	-(X)	OH W		Gas Well	New Well	Workover	Deepen	' Plug Baci	k 'Same Hes	'v. Diff. Res'v
						<u> </u>	X ;		X	1	<u> </u>	<u> </u>		
	Date Spudded			1	Date Compi		y to Prod	•	Total De			P.B.T.D.		
	4-6-68				<u>5-17-6</u>	8			9	9791		91	761	
	Elevations (DF, RKB,	RT, GR	t, etc.	<i>j</i> 1	Name of Pr	oducing	Formati	on	Top O11/0	Gas Pay		Tubing D	epth	
	4,214' DF				Pennsy	lvan	ian			9704		97	722	
	Perforations								į.			Depth Ca	sing Shoe	
	9713 - 9726											97	791	
					·	TUR	NG CA	SING AN	D CEMENT	TING RECO	20			
	HOLE 61	175		-	CASI				CEMEN				FACKE CEM	CUE
	HOLES	125		-	CASI		TUBING	SIZE		DEPTHS	<u> </u>		SACKS CEM	
	15			-			3/4"		-	373			350 sx	
	11	/A					5/8"			4102			<u>550 sx</u>	
	7-7/	<u> </u>					1/2"			9790			325 sx	
						2"	EUE			9722				
v.	TEST DATA AND	REQU	EST	FOI	R ALLOW	VABLE	E (Tes	t must be	after recover	v of total volu	ume of load	oil and must be	equal to or e	xceed top allou
• •	OIL WELL						able			or full 24 hour				
	Date First New Oil Ru	n To To	inks		Date of Tes	st.			Producing	Method (Flo	w, pump, gai	lift, etc.)		
	5-17-68					5 – 30-	-68			Flow				
	Length of Test			-	Tubing Pre				Casing P			Choke Siz	<u></u>	
	15											20/		
	Actual Prod. During To			- ,	Oil-Bhis.	<u>600</u>			Water - Bi	<u>Packe</u>	r	Gas - MCF		
				- `		420			#40.0E - DI	90				
1	510			L	· · · · · · · · · · · · · · · · · · ·	, _ 0				<i>5</i> 0		558	 	
	GAS WELL													
- 1	Actual Prod. Test-MC	F/D		1	Length of T	'est			Bbis. Con	ndensate/MMC	F	Gravity o	Condensate	
												1		
	Testing Method (pitot,	back p	r.)	- 17	Tubing Pre	saure (Shut-in	1	Casina P	ressure (Shut	-in)	Choire Str	le .	
		•	-			•		-		•	•			
ا									1					
٧I.	CERTIFICATE OF	COM	PLIA	NCI	Ε				/	OIL	CONSER	VATION CO	MMISSION	1
	DE/mcb								∦ (n)	
	I hereby certify that									?∨ ₹□	/ /	2		19
	Commission have be above is-true and co	en con	nplied	wit	th and the	at the	informat	ion given	11	Jan C/	X ().	Allen 3	1/	
	-vove is-trus wild Co	CINDIEK	s 10-(are. I	SEBL UITTI	A WILLY A	PARRE SI	LE DELIEI.	1 5 T					

(Signature) Chief Engineer

(Date)

May 31, 1968

This form is to be filed in compliance with RULE 1104.

If this is a request for allowable for a newly drilled or deepened well, this form must be accompanied by a tabulation of the deviation tests taken on the well in accordance with RULE 111.

All sections of this form must be filled out completely for allowable on new and recompleted wells.

Fill out only Sections I, II, III, and VI for changes of owner, well name or number, or transporter, or other such change of condition.

Separate Forms C-104 must be filed for each pool in multiply completed wells.

ROSWELL GEOLOGICAL SOCIETY SYMMOSIUM

Author:
Affiliation:

John Scott Alcorn BTA Oil Producers

Date:

August 1976

Field Name:

Bagley (Pennsylvanian), North

Location:

T-11, 12-S, R-33-E

County & State: Lea County, New Mexico

Discovery Well: Texas Pacific #1 Collier (10-11-33) Bagley (Lower Penn) North; July 1957 Cabot Corp. #1 Dallas (15-11-33) Bagley (Upper Penn) North; June 1962. On July 15, 1970, the Bagley (Penn), North Field was created by consolidating the above mentioned fields.

Exploration Method Leading to Discovery:

Subsurface, and oil shows encountered while drilling for Siluro-Devonian objective in area.

Pay Zone:

Formation Name: Pennsylvanian Lithology Description:

Depth & Datum Discovery Well:

10,000 (-6000) Lower Penn 9,400 (-5400) Upper Penn

Limestone, white to tan chalky to fossiliferous, finely crystalline.

Approximate gverage pay: 1200 gross 200 net

Productive Area ______15000 acres

Porosity pinch-outs in a series of reefy limestone beds; developed in zones from the Cisco through the Strawn series. These beds are associated with a

large anticlinal feature with gentle westward dip and steep eastward dip.

Reservoir Data:

6-10 % Porosity, Varies Md Permeability, 40 % Sw, _____ % So

oil: 45° Gravity, sweet, amber-green color

Gos: Sweet - average GOR is 1500-1

Water: 37.160 Na+K, 6880 Ca, 462 Mg, 70.110 CI, 850 SO4, 195 CO2, or HCO3, 35.9 Fe

Specific Gravity 1.0797 Resistivity 0.087 ohms @ 77 °F

Initial Field Pressure: 3775 psi @ -6000 datum Reservoir Temp. 162 °F

Type of Drive:

Gas solution associated with connate water.

Normal Completion Practices:

Drill through Strawn series; run porosity and water saturation logs before setting casing on bottom. Pay zones are selectively perforated and acidized in two or three stages with up to 25,000 gallons.

Type completion:

Normal Well Spacing _______80____ Acre

Kobe or Beam Pump

Deepest Horizon Penetrated & Depth:

Siluro-Devonian by Lone Star #1 Marley - TD 11686 (17-11-33)

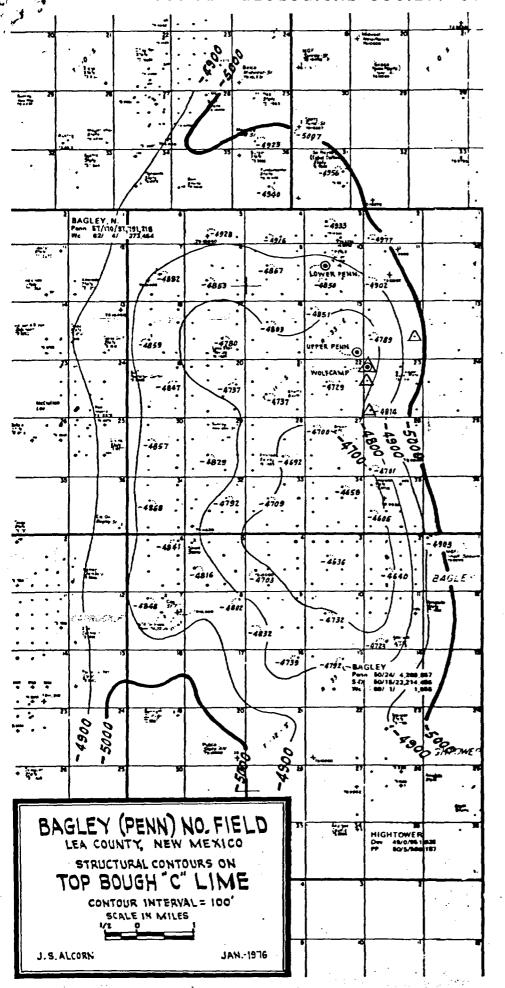
Other Producing Formations in Field:

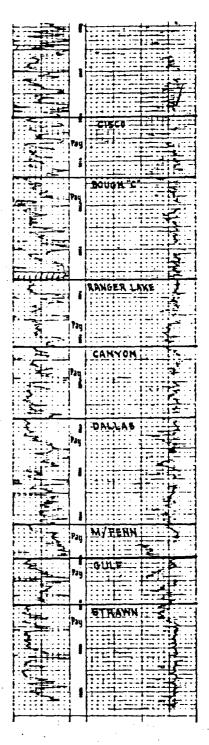
Wolfcamp

Production Data:

AR	/PE	No. of @ yr	. end	PRODUCTION OIL IN BARRELS GAS IN MMCF		AR.	ω ≻	No. o		PRODUCTION OIL IN BARRELS GAS IN MMCF	
) j	F	Prod.	S.I.or Abd.	ANNUAL	CUMULATIVE	٦ ۽	F	Prod.	S.I.or Abd.	ANNUAL	CUMULATIVE
68	OIL	109	5	4,880,925	9,673,717	72	OIL	173	7	3,687,801	31,247,343
	GAS					T	GAS				
69	OIL	140	2	6,721,007	16,424,724	73	OIL	171	10	2,702,767	33,950,110
Γ	GAS						GAS				
70	OIL	156	3	6,229,261	22,653,985	74	OIL	174	12	2,285,694	36,235,804
	GAS					1	GAS				
71	OIL	166	4	4.905.557	27,559,542	75	OIL	170	22	2,174,303	38,410,107
	GAS						GAS				

ROSWELL GEOLOGICAL SOCIETY SYMPOSIUM



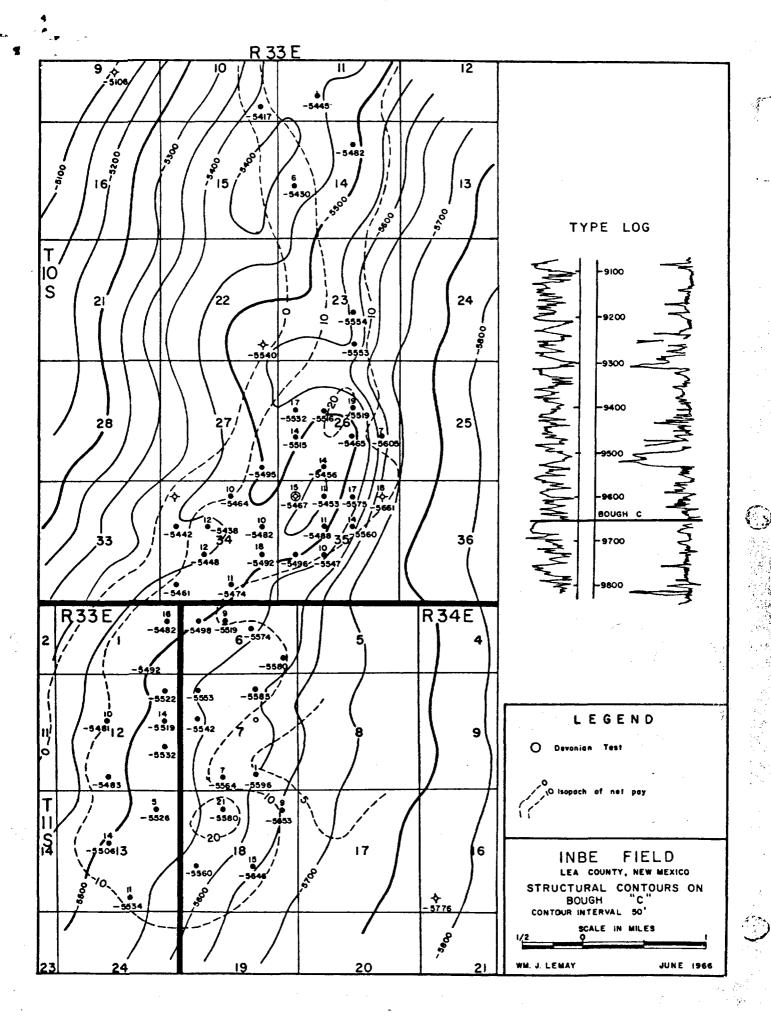


DISCOVERY WELLS
PENN WELLS
WOLFCAMP WELLS

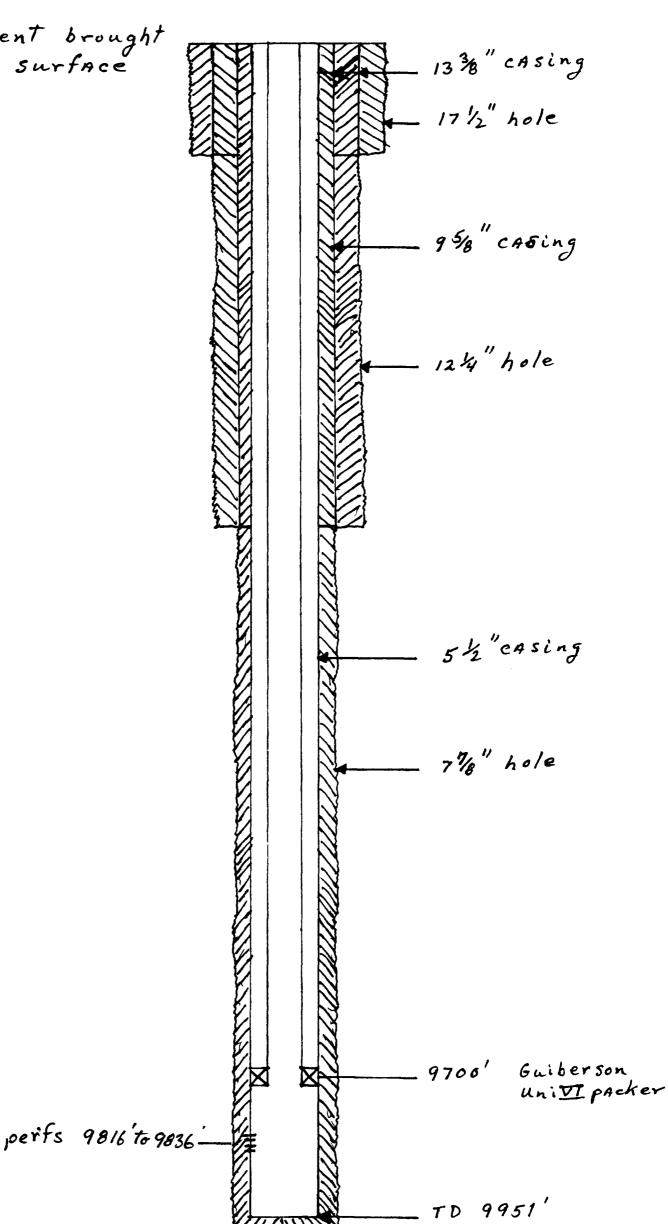
ROSWELL GEOLOGICAL SOCIETY SYMPOSIUM

Author: Affiliation:	William J. Lemay		Field Name: Location:	Inbe Pennsylvanian T-10 & 11-S, R-33	
Date:	May 1966		County & State:	Lea County, New Mo	
	combined). L. R.	French, Jr.	#1 Gulf State	alled South Lane F (Inbe). Hodge Hu 68 BOPD, 12/64" ck	
		100% Subsurf	ace		
Pay Zone: Formation Lithology D		y finely crys	talline limes	: 9658 (-5456) tone with vugs and	intercrystalline
it. Approximat	e average pay: 27_gra	ss net	Productive Area	4.000 ocres	en men en e
Type Trap:				of Bough "C" poro north-south trend.	sity westward
٠.,					
Ges: G	% Porosity, 104 Md Per 7° green, sweet OR 1170, sweet No+K, Co	ı,Mg,	CI,SO,	CO ₂ , or HCO ₃ ,	Fe
	re Gravity	si @ <u>9,700</u> da e ??	tum Reservoir Temp.	143°F	
perforate 200 to 30	net pay with 4 SP	F. Acidize w a month struc	ith 500-1,000 turally low w	r 5 1/2" casing th gals. A typical ells will be on th	well will flow
Type compl	etion:		Normal Well Spacing	80 Acres	
Deepest Horizon	Penetrated & Depth:	Devonian 1	2,819'		
Other Producing	Formations in Field:	Wolfcamp	9,310'		
Production Data	:				

YEAR	'PE	1	of wells yr. end OIL IN BARRELS GAS IN M.M.C.F		YEAR	TYPE	No. of wells @ yr. end		PRODUCTION OIL IN BARRELS GAS IN MM C F		
	-	Prod.	S.I.or Abd.	ANNUAL	CUMULATIVE	7 =	-	Prod.	S.1.or Abd.	ANNUAL	CUMULATIVE
1962	OIL	5	2	136,726	136,726	1	OIL				
	GAS			168,010	168,010	1	GAS				
1963	OIL	19	4	583,949	720,675		OIL		1	· · · · · · · · · · · · · · · · · · ·	
	GAS			642,210	810,220	1	GAS				
1964	OIL	25	7	925,542	1,646,217		OIL				<u> </u>
	GAS			970,507	1,780,727		GAS				
1965	OIL	34	9	1,273,978	2,920,195		OIL				
	GAS			1,191,007	2,971,734		GAS				1



All cement brought back to surface



MEXICO OIL CONSERVATION COMMISS 1 WELL LOCATION AND ACREAGE DEDICATION PLAT

Form C-102 Supersedes C-12: Effective 1-1-55

All distances must be from the outer boundaries of the Section Weil tir Fera.ut Southern Union Exploration Co. Susco State 5 Countr e i eller 9 South 33 East 19 Lea Arrual Fortage Location of Well: 1840 800 East South teet from the feet from the line and Ground : evel Elev Producing Formation Poel Flying M San Andres 40 4372.2 1 Outline the acreage dedicated to the subject well by colored pencil or hachure 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, dated by communitization, unitization, force-pooling. etc? ☐ No If answer is "yes," type of consolidation If answer is "no," list the owners and tract descriptions which have ac 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 Commis-CERTIFICATION I hereby certify that the information co best of my knowledge and belief. Position Southern Union Exploration Co. August 18,1978 Date Surveyed August 16,1978 Registered Professional Engineer and/or Land Surveyor

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MEXICO OIL CONSERVATION COMMIS. 4 WELL LOCATION AND ACREAGE DEDICATION PLAT

form (1-102 Supersedes C-128 Effective 1-1-65

All distances must be from the outer boundaries of the Section

hetatos			L ease		Well No.					
Southe	rn Union Explo		Susco Stat	5						
inst Letter	Section 19	Township 9 South	33 East	County						
Actual Footoge Loc	٠,	outh line and	800	East						
Ground Level Elev.	Producing For	1110 013	Pocl	et from the EUST	Dedicated Acreage:					
4372.2	San A		Flying M		40 Acres					
1. Outline th	1. Outline the acreage dedicated to the subject well by colored pencil or hachure marks on the plat below,									
2. If more th	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 the	an one lease of d	ifferent ownership is de	edicated to the well,	have the interests o	all pwner been consoli-					
		mitization, force-poolin		THE JUN 13	3 1933					
Yes	No II a	nawer is "yes;" type of	consolidation	OIL CONSERVA	TION DIVISION					
		, ,,		SANT	· • • • • • • • • • • • • • • • • • • •					
	in "no." list the	owners and tract descri	iptions which have a	ctually been consolid	lated. (Use reverse side of					
		ed to the well until all	interests have been	connolidated (by con	nmunitization, unitization,					
forced-poo					approved by the Commis-					
sion.										
	1		i I		CERTIFICATION					
l	i		1	/ hereby	certify that the information con-					
	1		· •	1 1	orein is true and complete to the					
i	1 1		4	best of n	ny knowledge end belief.					
	i		i .							
	+	 	-)	I Hame	- WWant					
	1		1	Position	1					
l l	İ) }	Company	149627					
1			1	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	Union Exploration Co.					
	1		i	Dete August	18,1978					
	L		 							
	1		2,,,,,	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~						
	9 1		Z		certify that the well lecetion this plat was platted from field					
NEE	RELANDS		Ÿ.	notes at	ectual surveys made by me er					
(H) (N)				1	supervision, and that the same					
9			8	1	e and bolish.					
	60 HO H			2441						
温人				Date Survey						
			1 ***	! !	16,1978					
					Professional Engineer					
į	i				4 4 4 4 4 4					
			<u> </u>	\ \Jai	in W. West					
330 460	00 1920 1690 1080	2310 2040 2000	1900 1000	og o	^{No.} John W. West 676 Ronald J. Fideon 3239					

N MEXICO OIL CONSERVATION COMMISS I WELL LOCATION AND ACREAGE DEDICATION PLAT

Form C-102 Superseden C-128 Effective 1-1-65

Well No. Lease Susco State 5 Southern Union Exploration Co. Township Range County Section nit Letter 9 South 33 East Lea tual Footage Location of Well: 800 East 1840 South lest from the teet from the Pool Producing Formation Ground Level Elev. Dedicated Acreage: 40 San Andres Flying M 4372.2 Acres 1. Outline the acreage dedicated to the subject well by colored pencil or hachure 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 intere dated by communitization, unitization, force-pooling. etc? JUN 13 1983 If answer is "yea;" type of consolidation No. OIL CONSERVATION DIVISION If answer is "no," list the owners and tract descriptions which have actually been consolidated. (I'me reverse side of 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 Name Southern Union Exploration Co. August 18,1978 on this plat was plotted from field Date Surveyed August 16,1978 Registered Professional Engineer 676

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Ronald J. Eidson

MEXICO OIL CONSERVATION COMMIS NELL JCATION AND ACREAGE DEDICATIO. PLAT

Form C-102 Supersedes C-1; Ellective 14-65

grad .	·· 		Lease		Well No.
	uthern Union	Exploration Co.	Susco S	·	4
Letter	Section	Township Q Could	Range 22 Face	County	Lea
el Faciogo Lace	19	9 South	33 East		red
460	feet from the	South line and	1780 ,	est from the Eas	line
AL Level Elev.	Producing F		P∞i Flying "M"		Dedicated Acreage:
4367.8	San A	tated to the subject w		1 1	_1
Il more the	an one lease i d royalty). n one lease of ommunitization.	 dedicated to the wel 	l, outline each and id dedicated to the well ing. etc?	dentify the ownership ECISIO I have the interests	of all owners been cons
this form if No allowab	e "no;" list the necessary.) le will be assig	e owners and tract dead	criptions which have	SANTA F. actually been consol consolidated (by c	idated. (Use reverse side ommunitization, unitizate en approved by the Com
			•		CERTIFICATION
	1			feined begin Ohn Pesition Agent Company	rn Union Exploratio

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222 248 100 1220 1000 1000 2310 2040

HEW R. ICO OIL CONSERVATION COMMISSION WELL LOCATION AND ACREAGE DEDICATION PLAY

Rem C-107 Sepercedes C-17 Ellective 14-65

Ronald J. Eidena

All distances must be from the outer boundaries of the Section 4 OUTHERN UNION EXPLORATION COMPANY Susco-State County 33 East 9 South Los 19 of footage Location of Wells 660 south lest from the feet from the at Level Cler. Producing Fermation Flying "M" San Andres 4367.8 . Outline the acreage dedicated to the subject well by colored pencil or hachure marks on the plat below. !. If more than one lease is dedicated to the well, outline each and identify the ownership thereof (both as to working interest and royalty). . If more than one lease of different ownership is dedicated to the well, have the dated by communitization, unitization, force-pooling, etc? JUN 13 NÎST If answer is "yes!" type of consolidation ☐ No DIL CONSERVATION DIVISION 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 Commis-CERTIFICATION I hereby certify that the information con J. W. Mulloy Position Agent Southern Union Exploration Cd. 6-21-78 emby certify that the well location wledge and belief. Date Sweeped Juno 14, 1978 Registered Professional Engineer and/or Land Surveyor 67€

1880 2310 2640

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		NL MEXICO OF	AND ACREAGE DEDIC	MMISS.	Ty 7527 Bupersodes C-12A Ellertive 1-1-65
		All distances must b	or from the outer Boundaries	or the secuely	
Southe	rn Union Explo	_	SUSCO S		Well No.
'nut i etter	Section	Township	Range	County	4
Actual Footage La	19	9 South	33 East	Lea	
660	teet from the Si		1780 1	et fmm the East	. Dre.
Ground : gvel Elev 4367.8	Producing Fo		Pool Flying M	and the second s	Dedicated Acreage:
			well by colored pencil	or hachure marks or	Actes
2. If more to interest a 3. If more the dated by	han one lease ind royalty). san one lease of communitization,	dedicated to the w	rell, outline each and id is dedicated to the well oling.etc?	entify the ownership	of all oweren been consoli-
this form	is "no!" list the if necessary.)	ned to the well until	scriptions which have a	connolidated (by c	idated. (I se reverse side of ommunitization, unitization, en approved by the Commis-
				terned	CERTIFICATION by carrify that the information con- I herein is true and camplete to the I my knowledge and belief Show West
				Company South	nt
100	NEER & LAND SURVEYOR	No	•	shown nates under is true	by certify that the well location on this plet was platted from field of ectual surveys made by me ermy supervision and that the same s and correct to the best of my ade and belief.
JOHN	W WEST		7 17 AV	Registere	ne 14,1978 of Freissianal Engineer and Surveyor West
- 100	100 100 100				is No. John W. West 676

N. .. MEXICO OIL CONSERVATION COMMISS 4 WELL LOCATION AND ACREAGE DEDICATION PLAT

Form C-102 Supersedes C-128 Effective 1-1-65

676

PFCF

Ronald J Fidena

All distances must be from the outer boundaries of the Section SUSCO State 4 Southern Union Exploration Co. 9 South Lea 19 33 East Actual Footage Location of Well: 1780 660 South East feet from the feet from the line and Producing Formation Ground Level Elev. Pool Dedicated Acreage. San Andres Flying M 80 4367.8 1. Outline the acreage dedicated to the subject well by colored pencil or hachure 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 consoli-LUM IB 1993 dated by communitization, unitization, force-pooling, etc? If answer is "yes," type of consolidation CONSERVATION DIVISION □ No Yes 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 con-Agent Comp. my Southern Union Exploration Co August 28,1978 heraby certify that the well location Date Surveyed June 14,1978 Registered Professional Engineer

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NE MEXICO OIL CONSERVATION COMMISSI WELL LOCATION AND ACREAGE DEDICATION PLAT

All distances must be from the outer boundaries of the Section Well No. Operator Susco State Southern Union Supply Company Unit Letter Section County 9-5 33~E 19 Lea N Actual Footage Location of Well: 1980 660 South West feet from the line and feet from the line Ground Level Elev. Pool Dedicated Acreage: Producing Formation Flying "M" 4373 80 San Andres Acres 1. Outline the acreage dedicated to the subject well by colored pencil or hachure 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 Commis-CERTIFICATION This reentry was originally surveyed on 8/13/65 as the Union Texas American Trading State #1 and on 1/23/67 I hereby certify that the information conas the BTA FMS 664 LTD #2. tained herein is true and complete to the Chief Petroleum Engineer Southern Union Company November 2, 1977 Date I hereby certify that the well location shown on this plat was plotted from field notes of 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 Registered Professional Engineer and/or Land Surveyor Certificate No.

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NE EXICO OIL CONSERVATION COMMISSIO WELL LOCATION AND ACREAGE DEDICATION PLAT

Form C-102 Supersedes C-128 Effective 1-1-65

		All distances must be from	the saler boundaries of	The Section	and the same of th
SOUTHERN L	UNION EXPLO	RATION CO.	SUSCO STAT	TE	Mes. 14.
Chil Letter	Section 19	7 SOUTH	33 EAST	LEA	
Actual Footage Loc 2120		NORTH Time and	800 toe	t tem the EAST	100 e
Ground Level Elevel 4375.7	1		Flying # Sen A	ndres	Cest otes Asiespe.
-	~	ted to the subject well			•
	nan one lease is nd royalty).	dedicated to the well, o	outline each and ide	ntify the ownership	ared 1920 17 thereof (both as to working)
		::::::::::::::::::::::::::::::::::::::	transal sa sha catt	<u>्रिहिटी</u>	
3. It more the	ommunitization, u	ifferent ownership is decinitization, force-pooling.	etc?	nave the spicients	n' all'deine i peen consoli- Là 1993
Yes	No If a	nawer is "yea! type of c	onsolidation		13 1333
If answer					Mithelia (Lac reverae side of t
	l accessary.)	ed to the well until all in	terests have been o	onwolidated (by co	mmunitization, unitization.
					n approved by the Commis-
\$10h.					CERTIFICATION
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	i			b	my knowledge and belief
	+			i ame	Man Dentz
	1		i	Rong	old M. Sentz
	1	4		- Court ta A	ing + Production E
	* t	9	b. (-	South	ern Union Exp. Co
	1		1		8-9-79
	1				
			1	shown o	y certify that the well location in this plat was plotted from field
	J. J.	STATE	1	under m	f actual surveys made by me or y supervision, and that the same
		676	1	i 1	and correct to the best of my ge and belief.
 	+-/-/-				
1	1 15		1	Drate Survi	JULY 28TH, 1979
) }			t 1	1 Professi nai Engineer nd Jurvey a
1	1		! 	,	1 11/1 F
				Ginthean Ginth	No. John W. West 676
C 330 000	90 1920 1680 198	9 2310 2840 2000	1800 1000 86	• •	Ronald J Eidson 3239

Ronald J Eidson 3239

NELL LOCATION AND ACREAGE DEDICATION PLAT

SUSCO STATE SOUTHTRN UTITION EXPLORY TION CO. Section G 19 9 SOUTH 33 EA ST LIA 1840 EAST NORTH 2120 line and Jelund Level Elev Producted Formation Millio H San Andres San Andres 4378.3 1 Outline the acreage dedicated to the subject well by colored pencil or bachure 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 work in interest and royalty). *To Be Shared with \$5 3. If more than one lease of different ownership is dedicated to the well, have duted by communitization, unitization, force-pooling, etc? If answer is "yes," type of consolidation No If answer is "no." list the owners and tract descriptions which have actually become NOISIVIO MOITT 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 Orla. & Prod. Engineer Southern Uaion Expl. Co. ¥6 #7 JULY 28TH, 1979 676

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Ronald J. Eidson

N. MEXICO OIL CONSERVATION COMMISS WELL LOCATION AND ACREAGE DEDICATION PLAT

Form C+102 Superaedes C+120 Effective 1-1-65

SUSCO STATE OUTHERN UNION EXPLORATION CO. 9 SOUTH **33 EAST** LEA Actual Factage Location of Well: 2120 NORTH feet from the Producing Formation Ground Lyvel Elev Flying H San Andres 4375.7 San Andres 1. Outline the acreage dedicated to the subject well by colored pencil or hachure marks on the plat below 2. If more than one lease is dedicated to the well, outline each and identify the ownership the real both as interest and royalty). 3 If more than one lease of different ownership is dedicated to the well, have dated by communitization, unitization, force-pooling, etc? If answer is "yes," type of consolidation If answer is "no." list the owners and tract descriptions which have actually been gon 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. I hereby certify that the information con-Drilling & Production E Southern Union Exp. Co. 0 800 \$1 おし 8-9-79 JULY 28TH, 197**9** Registered Emilessi not Engineer and or fight 1 Survey a 67€

NE MEXICO OIL CONSERVATION COMMISS. . . WELL LOCATION AND ACREAGE DEDICATION PLAT

Form C-10. Supersedes C-12H Effective .-1-65

All distances must be from the outer boundaries of the Section

4-610101			Lease	#eli tv	
Southern Union Exploration Co.			SUSCO Sto		
P	19	9 South	33 East	Lea	
Artual Footage Loc	_	outh tine and	660	et from the East	line
Circund Level Elev.	Producing Fo		Pool		Dedicated Accesses
) Outline th	Son Ar	ited to the subject we	Flying M	or hackure marks on t	he plat below
	_				·
2. If more th	an one lease is nd royalty).	dedicated to the well	l, outline each and id	entify the ownership t	thereof (both as to working
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		lifferent ownership is unitization, force-pooli		1111	11 1
·		nswer is "yes;" type o			3 1983 JLJ
Ye∎				COMSS WA	
	is "no," list the [necessary.)	owners and tract desc	riptions which have a	ictually been consollid	ated. (Use reverse side of
	•	ed to the well until all	interests have been	consolidated (by con	nmunitization, unitization,
					approved by the Commis-
51011.					
	1				CERTIFICATION
	i		i	I hereby	certify that the information con-
	1		i		erein is true and complete to the
	1				
	· +			Name	In W West
	1		l .	Program	m www.
			f I	Agent Comp. 2017	
	- 1		1		Union Exploration Ca.
	1		1	Augus	28,1978
			vinistra	77777	
	a 1 Aut a			A I hernby	certify that the well location
الم يرونية	& LAWD SUPPLY		N U 5	A I .	this plet was plotted from field actual surveys made by me or
1 3			· ·	11	supervision, and that the same
- 3	_516 o)~		(11	end correct to the best of my
- Joseph Stranger	-610 0	<i> </i>			
	NIW ヤノネリ		∀ L ·	Date Survey	y•d
1	JOHN W.		V,	-660 -7	Destruction Co.
	i		02	Hegistered and/or Land	Professional Engineer d Surveyor
			ý <u> </u>	11	
				Certificate	No. John W. West 676
0 330 000 1	00 1380 1480 166	0 2310 2040 2000	1800 1000	3 00	Ronald J. Eidson 3239

NI AEXICO OIL CONSERVATION COMMISSI WELL LOCATION AND ACREAGE DEDICATION ...AT

All distances must be from the outer boundaries of the Section Well flo. Lease 1 SUSCO State SOUTHERN UNION SUPPLY COMPANY 33 East Township County Section 'nit Letter Loa 9 South Actual Footage Location of Well: 660 East South 660 line and leet from the feet from the line Ground Level Elev. 4368.7 Producing Formation Pool Dedicated Acreage: Flying M San Andres 1. Outline the acreage dedicated to the subject well by colored pencil or hachure 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 lesse of different ownership is dedicated to the well, have the interests of all owners been consolidated by communitization, unitization, force-pooling, etc? JUN 13 1933 If answer is "yes," type of consolidation. CONSERVATION DIVISION 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 comteined herein to true and complete to the Agent Southern Union Supply Co. May 27, 1977 I heraby certify that the well location riedge and balief. 660 1320 1860 2316 2900 1 500 1000

NEY ZXICO OIL CONSERVATION COMMISSIO WELL LOCATION AND ACREAGE DEDICATION PLAT

Form C-102 Superseden C-128 Effective 1-1-65

All distances must be from the outer boundaries of the Section perator SUSCO State 2 Southern Union Exploration Co. Jounty Section 'n.t _ efter 19 9 South 33 East Lea Actual Fontage Location of Well: test from the South 1980 East 1980 line and feet from the er and Level Elev Producing Formation Dedicated Acresses 4374.5 1. Outline the acreage dedicated to the subject well by colored pencil or hachure 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). dated by communitization, unitization, force-pooling, etc? JIM 13 1997 If answer is "yes!" type of consolidation ☐ No If answer is "no," list the owners and tract descriptions which have actually been consolidated. (I'se reverse side of 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 Commis-CERTIFICATION Agent Southern Union Exploration Co. August 28,1978 I heraby certify that the well location Date Surveyed August 2,1977 John W.

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Ronald J. Eidson

1980 2310

MEW ... CO OIL CONSERVATION COMMISSION WELL LULATION AND ACREAGE DEDICATION PLAN

Supercodes (a)

SUSCO State Southern Union Supply Co. 16. 4010 33 East 374.5 Flying "M" San Andres stutting the acreage dedicated to the aubject well by colored pencil or hachure marks on the plat believe If note than one leave is dedicated to the well, outline each and identify the ownership thereof (both as to working interest and royalty? 4 If more than me lease of different ownership is dedicated to the well, have all inte dated be communitization, unitization, force-pooling, etc? If answer is "yes!" type of consolidation _ If answer is "no," list the owners and tract descriptions which have actually been consolidated. If so reverse side of No attenuable will be assigned to the well until all interests have been consolidated the communitization, unitization, forced-pooling, or otherwise for until a non-standard unit, eliminating such interests, has been approved by the Commis-CERTIFICATION J. W. Mulloy Agent Southern Union Supply Co. August 5, 1977 1980 August 2, 1977

WELL LOCATION AND ACREAGE DEDICATION L'AT

SOUTHERN UNION EXPLORATION COMPANY Shell-Groeble, et al Section T' wnship B South Lea 33 East tipe Location of Well 1670 east fund I gre. ! sev. Producing Formation 4367.2 1 Outline the acreage dedicated to the aubject well by colored pencil or hachure marks on the plat below. If more than one lease is dedicated to the well, outline each and identify the ownership thereof (both as to working interest and rovalty). 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? Pooling Provisions Lease V) cs If answer is "ves." type of consolidation If unswer 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 Commis-SiON LEASE ROYALTY CERTIFICATION Cash 1/8 Edwards 1/8 thined herein is true and complete to the Heaton 1/8 CONSERVATION D Shell 30% SANTA FE Cash 1/8 Mayer 3/16 Cash 1/8 Anderson 1/8 Hyde, et ux 1/8 I heraby certify that the well location Murphy, et ux 3/16 on this plat was plotted from field Fraiberg 1/8 Cross 1/8 Mitchell AE 1/8 Cash 1/8 June 14, 1978 Groebli 3/16 Registeres Emilesconsi Logineer Dunne 1/8 1891 1000 .:: Robold V Edica

NET AEXICO OIL CONSERVATION COMMISSION CATE

Form C-102 Supersedes (+12)

All distances most be from the outer had fores of the Section 1 SCUTHERN UNION SUPPLY COMPANY SUSCO State 33 East County Lea 9 South stani Fortase Location of Well: 660 East 660 South feet from the line and feet from the 4368.7 Producing Formation Dedicated Acreage: San Andres 80 Flying M Acres 1. Outline the acreage dedicated to the subject well by colored pencil or hachure 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 consoliduted by communitization, unitization, force-pooling, etc? 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 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. HIM 15 1983 OIL CONSERVATION DIVISION SUMITA FE Agent Company Southern Union Supply Co. May 27, 1977 660

Form C-102 Superseder C-128 -- Effective (-, 1)

All distances must be from the outer boundaries of the Section

Southern Union Exploration (susco s	tate		2
J Section Cownants		33 East	Lec	<u> </u>	
us. Footage Location of Well:					
1980 feet from the South		280	feet from the	East	line
1374.5	Po	ol		Cledi	.cated Acreage; Acres
Outline the acreage dedicated to the	aubject well	by colored penc	il or hachure	marks on the pl	at below.
2. If more than one lease is dedicated interest and royalty).	to the well, o	utline each and	identify the c	ownership thereo	of (both as to working
3 If more than one lease of different own dated by communitization, unitization,	•		II, have the i	interests of all	owners been consuli-
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If answer is "no," list the owners and this form if necessary.)	tract descript	ions which have	e actually bee	en consolidated	(Use reverse side of
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		- SIMIA 13		Pristing .	W. West
1				Agent	
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1		# #		August 28,	1978
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	No.4	1		Date Surveyed August 2,	1977
	•	j			istrical Engineer
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NEXICO DIL CONSERVATION COMMISSE I WELL LOCATION AND ACREAGE DEDICATION PLAT

Form C -122 Supervedes 6-128 offer page 68

		All distances mu	el he from the mo	er bounderies	of the Section		
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3001116	ortin	Townshi.	Han	14	County		
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1840		outh time	, and 800	!	leet from the	East	lin€
# und Lyvei Flew. 4372.2	Producing Fo	Andres	P∞1 Fly	ing M		D	edicated Acreage: 40 Acres
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	i) 		1	nion Exploration Co.
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	May be a second					Date Surveyed August 16 Registered First and or Land Su	essional Engineer
						Vin	1. liest
**************************************	2 :371 036 100	10 2310 2040	3000 1800	1000	•00 c		John W West 676
					■00 c	L	Ronald J. Eidson 3239

N() MEXICO OIL CONSERVATION COMMISS() WELL LOCATION AND ACREAGE DEDICATION PLAT

Form Capty
Supercedes 1

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	e from the NORTH	e and 800) teer in a	EAST	111.00
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SUSCO STATE SOU FREE UNION EXPLORATION CO. 9 SOUTH 33 EAST LIA tud' For tage Location of Well: 2120 NORTH 1840 **EAST** line and Froducing Formation
San Andres und Level Elev 4378.3 1. Outline the acreage dedicated to the subject well by colored pencil or hachure 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 work me *To Be Shared with \$5 interest and royalty). 3 If more than one lease of different ownership is dedicated to the well, have the interests of all owners been consult. duted by communitization, unitization, force-pooling, etc? If answer is "yes," type of consolidation If answer is "no," list the owners and tract descriptions which have actually been consolidated. It se reverse side of 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 Commis-CERTIFICATION by certify that the information con-Drig. & Prod. Engineer Southern Union Expl. Co. TO BE STORE #7 JULY 28TH, 1979 Registeren i er fessinn if i nginer

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NET EXICO OIL CONSERVATION COMMISSION ... WELL LOCATION AND ACREAGE DEDICATION & LAT

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nit Letter Section			j		• •	· .		•	
A	ື 17	Township 10 5	South	Range	33 EAST	County ,	LEA .	2	
cival Footage Location of	Well:					'		<u> </u>	
	from the	NORTH	line and	660	1ee	from the	EAS	ts Im	
· · · · · · · · · · · · · · · · · · ·	Producing Form San An		Po		dcat			Dedicated Acreage	e:
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this form if neces No allowable will forced-pooling, or sion.	saary.) I be assigne	d to the well	until all in	erests he	ive been c	onsolidat	ed (by cor	nmunitization, u	nitization
REG. LA	5.	MSERVATION SANTA FE	DIVIDION.			860*	Noma Noma Noma Noma Noma Noma Noma Noma Noma Noma Noma Noma Agent Company Corinr Date 12/23/ I heraby shown em notes af under my is true knowledg Date Survey D	certify that the was plotted actual surveys many supervision, and the many supervision and the many supervision to the many su	realism complete to the lief. I of lief. I ocution and from fiel do by me to the same best of m

WELL DEATION AND ACREAGE DEDICATION PLAT

Form C-102 Supercodes C-1 Effective 14-65

	All distances =	ust be from t	he outer boundaries	ed the Section		
grot E. Al., III.		Leo				Well No.
	on Exploration Co.	• 1	Susco S			1 4
etter Section	Township		Range 22 F	County		
C 19	9 South		33 East	_L	Lea	
460 feet from the		ne and		eet from the	East	line
	Andres	Poo	Flying "M"		Dedi	caled Acreage:
Outline the acreage de	dicated to the subject	ect well b	y colored pencil	or bachure ma	rks on the pl	at below.
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Yes No	If answer is "yes!"					
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If answer is "no;" list this form if necessary.)		t descripti	ous maich nave	actually been d	consolidated.	(Use reverse side
No allowable will be as						
forced-pooling, or others	rise) or until a non-st	tandard un	it, eliminating at	ich interests, h	as been appr	raved by the Comm
100.						
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	j Land with	460			Seport.	VelVest
			4	411111 C=	Titicote No. Joh	nn W. West

QUESTIONNAIRE TO BE COMPLETED IN CONNECTION WITH SALT WATER DISPOSAL WELL EASEMENT

1.	What is the oil and gas mineral ownership of the land from
	which the salt water will be produced? Private%,
	State 100 %, Federal %.
Х ₂ .	What is the approximate number of barrels of salt water that
	will be injected into the well per day? 500.
≻3.	What is the formation into which the salt water will be injected? Devon An
4.	Have you enclosed consent of the oil and gas lessee for the use as a salt water disposal well? NO-So-UNION IS RESSEE
¥5.	From which well (s) is the salt water being produced and to
	be injected? Give complete description of oil'wells. (Attached
	plat showing oil wells, dry hole or well to be drilled in re-
	lation to injection well.
	Susco State #1,2,4,5,6,7; TPState #1;
V c	Shell Grokble #1
×6. Ут.	What is your O.C.C. Order No. 5wb-58
	What reaction have the adjacent wells reflected from the injected water? (Answer only if this is a renewal application) None
×8.	What is estimated reservoir of oil still to be recovered from
	wells which are the source of the salt water?
	380,200 BB1s
Х9.	What is the estimated time that it will take to deplete the well or wells?
-	
	Signed by:
	Address:
	FOR OFFICE USE ONLY
Ληρ	roved by O.C.C.:
	· · ·

SOUTHERN UNION EXPLORATION COMPANY

	Marg McGuffin	B.M. Medlin B. Sons					
	≶#\$ · 19	. 50	21	22	23	24	
	STATE	STATE					T.
	30	Aargaret Annette	28 Jan Tapp Americal B J Ted O Martin Kyle	27	26	25	
	3	Marg. McGuffin	33 Margaret B J Ted McGuttin Kyle	34	35	36	
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	•			Carl L Johnson	Carl L. Johnson Bogle Farms, inc		
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. —				Carl L Johnson	STATE		

W82-1245 TO Southern Union Southern Union Exploration Co. Mg/L 7.2- 7200 6.6 6608 36 3.0 - 1800 1,200 0.2 120 0.6 2.0 400 B.0 - \$5,000 (S) 04 SAN Andres waters Dgalalla 4500-4700' 150" Upper Penn SO4 10,000' HCO3 Produced Produced Fresh Produced

HALLIBURTON SERVICES MIDLAYER DIVISION HOBAS, NEW TENNING

LABORATORY WATER ANALYSIS

No W80-1109

To Southern Union	<u> </u>	Date 4/19/80
	onal Bldy.	This report is the property of Halliburton Company and neither it nor any part thereof nor a copy thereof is to be published or disclosed without first securing the express written approval of laboratory management; it may however, be used in the course of regular business operations by any person or concern and employees thereof receiving sucii report from Halliburton Company.
Submitted by Well Se	rvi e e M Hands	Date Rec. 4/16/80
Well No. State 17 #	1 (?) Depth	_ Formation.
county	Field	Source.
		Mississippian @ 13,200
Resistivity	.093 © 70°	Produced
	1.062	•
·	5.9	
	*	*MPL
Magnesium (Mg)	• •	
Chlorides (CI)		
Sulfates (SO ₄)	nil	
Eicarbonates (HCO ₃)		
Coluble Iron (Fe)	7 * 1 .	
A.P.I. Gravity	39.4	· · · · · · · · · · · · · · · · · · ·
1 	٠ من	
komarks:		*Milligrams per liter
	Respectfully subr	nitted,
analyst: Jackson		HALLIBURTON COMPANY
	D	Cin Chalman
	NOTIC	E CHEMIST future well

THIS REPORT IS LIMITED TO THE DESCRIBED SAMPLE TESTED. ANY USER OF THIS REPORT AGREES THAT HALLBURTON SHALL NOT BE LIABLE FOR ANY LOSS OR DAMAGE, WHETHER IT BE TO ACT OR OMISSION, RESULTING FROM SUCH REPORT OR ITS USE.

32122

R.D. HARDIN

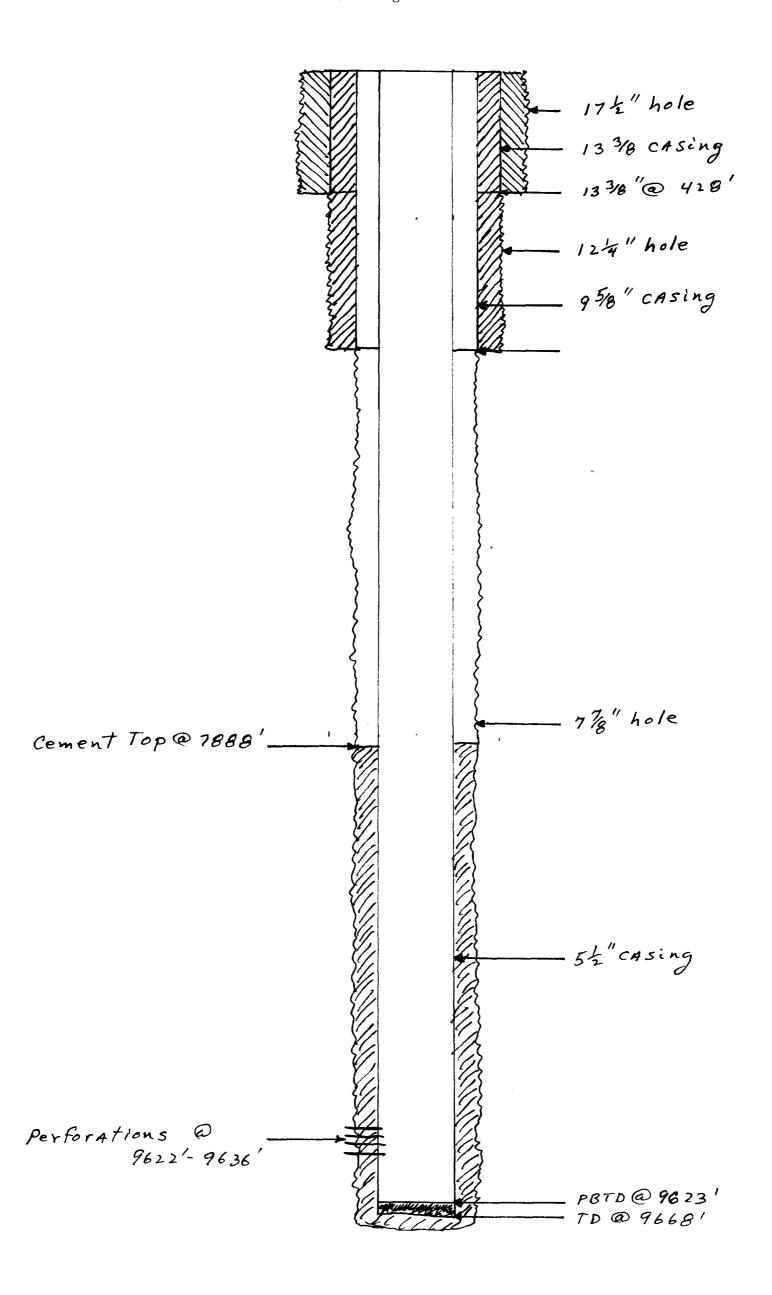
8/20/82

HALLIBURTON SERVICES MIDLAND DIVISION HOBBS, NEW MEXICO 88240

LABORATORY WATER ANALYSIS

No

To SOUTHERN UNION SUE	PLY			Date 12/9/77				
FOY BOYD ASS. 1306 Gihls Tower b ATT: John Mulloy	Jost-Midland	l Texas	ii C	or disclosed without first securing the express written at of laboratory management; it may however, be used				
Submitted by Bob Munse					•			
Well No. Susco State	±3 De;	oth 4300		Formation.	San Andres	-		
County Lea		ı		Source. 3 7 165 K				
Resistivity	041 @72					X.,-)··		
Specific Gravity	1.160		-		<u>:</u>			
рН	5.6		- 					
Calcium (Ca)	35,250	PPM				*MPL		
Magnesium (Mg)						····		
Chlorides (Cl)		•		•				
Sulfates (SO ₄)								
Bicarbonates (HCO ₃)								
Soluble Iron (Fe)								
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				The state of the s				
Remarks:	4.				*Milligram	s per liter		
				F	RECEIV	/ED		
		Respectf	ully submitted		DEC 1 2 19	377		
Analyst:	Sa	Hu.			DY BOYD ASSOCI N COMPANY	ATES, INC.		
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U.S.G. S.					1	J. Billi			5, Sta	te Oil &	Gas Lease No.
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OPERATOR					<u>.</u>	A IIN	14 1983			1111	
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14. TYPE OF WELL					Ŀ	20010	RVATION D	335.	7. Un.	it Agreen	nent Name
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Name of Operator						11/5		1121	9. We		
Southern Unio	n Expl	orati	ion Company	of Texa	as		11.23.2 2 M 4.50][2		
4. Address of Operator		-					IUN 13 19	83	10. F	ield and	Root, or Wildcat
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4. Uscation of Well						COL	SERVATION	DIVISIO	III INC	VIIV	
							SANTA FE				
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Bough "C", To	ther Logs	1/,	BOLLOM - 3	040			 			27 Was	Yes Well Cored
DLL/MLL/GR, C			Dwalas								
DLL/PLL/GR, C	NL/CDL	/GK,			20 /0	. 11				<u> </u>	Yes
	т						s set in well)				
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9 5/8" 5 1/2"	то	& 40 17 L	397 966 INER RECORD BOTTOM	81	12 7	1/4" 7/8" SCREEN	30. SIZE	Howco	TUBING DEPTH S	NT SOU	PACKER SET
9 5/8" 5 1/2"	то	& 40 17 L	397 966 INER RECORD BOTTOM	81	12 7	1/4" 7/8" SCREEN 32. DEPTH	30. SIZE ACID, SHOT,	FRACTU	TUBING DEPTH S RE, CEME	NT SQUE	PACKER SET EEZE, ETC. D MATERIAL USED
9 5/8" 5 1/2" SIZE	то	& 40 17 L	397 966 INER RECORD BOTTOM	81	12 7	1/4" 7/8" SCREEN	30. SIZE ACID, SHOT,	FRACTU	TUBING DEPTH S RE, CEME	NT SQUE	PACKER SET
9 5/8" 5 1/2" SIZE	то	& 40 17 L	397 966 INER RECORD BOTTOM	81	12 7	1/4" 7/8" SCREEN 32. DEPTH	30. SIZE ACID, SHOT,	FRACTU	TUBING DEPTH S RE, CEME	NT SQUE	PACKER SET EEZE, ETC. MATERIAL USED
9 5/8" 5 1/2" SIZE	то	& 40 17 L	397 966 INER RECORD BOTTOM	81	12 7	1/4" 7/8" SCREEN 32. DEPTH	30. SIZE ACID, SHOT,	FRACTU	TUBING DEPTH S RE, CEME	NT SQUE	PACKER SET EEZE, ETC. MATERIAL USED
9 5/8" 5 1/2" SIZE 1. Perforation Record 9622-9636'	то	& 40 17 L	397 966 INER RECORD BOTTOM	81	12 7	32. DEPTH 9622-9	30. SIZE ACID, SHOT,	FRACTU	TUBING DEPTH S RE, CEME	NT SQUE	PACKER SET EEZE, ETC. MATERIAL USED
9 5/8" 5 1/2" SIZE 9622-9636'	то	& 40 17 L P	397 966 INER RECORD BOTTOM	SACKS CE	12 7	32. DEPTH 9622-9	30. SIZE ACID, SHOT, HINTERVAL	FRACTU	TUBING DEPTH S RE, CEME MOUNT A gals of	NT SOUR	PACKER SET EEZE, ETC. MATERIAL USED 101 Acid
9 5/8" 5 1/2" SIZE 9622-9636' 33.	то	& 40 17 L Size and	397 9669 INER RECORD BOTTOM d number)	SACKS CE	PROD	32. DEPTH 9622-9	30. SIZE ACID, SHOT, INTERVAL 1636'	FRACTU	TUBING DEPTH S RE, CEME MOUNT A gals of	NT SQUE ND KINC Mod	PACKER SET EEZE, ETC. MATERIAL USED
9 5/8" 5 1/2" SIZE SIZE 9622-9636' 11/6/81	TO (Interval,	& 40 17 L Size and	397. 9668 INER RECORD BOTTOM d number) action Method (Flo	SACKS CE	PROD ft, pump	32. DEPTH 9622-9 UCTION Ding - Size a 4' Axels	30. SIZE ACID, SHOT, INTERVAL 1636' and type pump) son pump)	FRACTUI A 500 g	TUBING DEPTH S RE, CEME MOUNT A gals of	NT SOUR ND KING Mod I Status	PACKER SET EEZE, ETC. D MATERIAL USED 101 Acid (Prod. or Shut-in)
9 5/8" 5 1/2" SIZE SIZE 9622-9636' 33. Lette First Production 11/6/81 Date of Test	TO (Interval,	& 40 17 L P size and Pu 'ested	397 9669 INER RECORD BOTTOM d number) action Method (Floatimping (2") Choke Size	SACKS CE	PROD ft, pump x 2	32. DEPTH 9622-9 UCTION bing - Size a 4' Axels Oil - Bbl.	30. SIZE ACID, SHOT, HINTERVAL 1636 and type pump) Gas — M	FRACTUI A 500 g	TUBING DEPTH S RE, CEME MOUNT A gals of Wel F	NT SOUR ND KING Mod I Status	PACKER SET EEZE, ETC. MATERIAL USED 101 Acid
9 5/8" 5 1/2" SIZE SIZE 9622-9636' 33. Late First Production 11/6/81 Date of Test 11/16/81	TO (Interval,	L'rodu Purested	397 9668 INER RECORD BOTTOM d number) action Method (Floringing (2") Choke Size Open	SACKS CE SACKS CE moving, gas li x 1 1/4* Prod'n. I Test Per	PROD ft, pump x 2 For Flod	32. DEPTH 9622-9 UCTION ping - Size a 4' Axels O11 - Bbl. 0.3	30. SIZE ACID, SHOT, HINTERVAL 2636 and type pump) Gas - M TSTM	FRACTUI A 500 g	TUBING DEPTH S RE, CEME MOUNT A gals of Wel F Water - BI 6	NT SOUR ND KING Mod 1 Status 2 rod.	PACKER SET EEZE, ETC. DMATERIAL USED 101 Acid (Prod. or Shut-in) Gas—Oil Fatio
9 5/8" 5 1/2" 5 1/2" SIZE 1. Perforation Record 9622-9636' 33. Lette First Production 11/6/81 Date of Test 11/16/81 Flow Tubing Press.	TO (Interval,	& 40 17 L Size and Purested Pressur	397 9668 INER RECORD BOTTOM d number) action Method (Floatinging (2") Choke Size Open	sacks ce	PROD ft, pump x 2 For clod	32. DEPTH 9622-9 UCTION bing - Size a 4' Axels Oil - Bbl.	30. SIZE ACID, SHOT, HINTERVAL 636' and type pump) Gas - M TSTM	FRACTUR A 500 g	TUBING DEPTH S RE, CEME MOUNT A gals of Wel F Water — BI 6	NT SOUR ND KINC Mod I Status Prod. bil. Oil G	PACKER SET EEZE, ETC. DMATERIAL USED 101 Acid (Prod. or Shut-in) Gas—Oll Fatio
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9 5/8" 5 1/2" 5 1/2" SIZE SIZE 9622-9636' 11/6/81 Date of Test 11/16/81 Flow Tubing Press. 0 34. Disposition of Gas	Hours T	\$ 40 17 L P size and Pu Pested Pressur 0	397 9668 INER RECORD BOTTOM anumber) A number) Choke Size Open Calculated 2 Hour Rate	sacks ce	PROD ft, pump x 2 For clod	32. DEPTH 9622-9 UCTION ping - Size a 4' Axels O11 - Bbl. 0.3	30. SIZE ACID, SHOT, HINTERVAL 636' and type pump) Gas - M TSTM	FRACTUI 500 g	TUBING DEPTH S RE, CEME MOUNT A gals of Wel F Water — BI 6 bi. Test Witne	NT SOUR ND KING Mod I Status Prod. bl. Oil G	PACKER SET EEZE, ETC. D MATERIAL USED 101 Acid (Prod. or Shut-in) Gas—Oll Fatio —— Gravity — API (Corr.) 34.3°
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INSTRUCTIONS

This form is to be filed with the appropriate District Office of the Commission not later than 20 days after the completion of any newly-drilled or deepened well. It shall be accompanied by one copy of all electrical and radio-activity logs run on the well and a summary of all special tests conducted, including drill stem tests. All depths reported shall be measured depths. In the case of directionally drilled wells, true vertical depths shall also be reported. For multiple completions, Items 30 through 34 shall be reported for each zone. The form is to be filed in quintuplicate except on state land, where six copies are required. See Rule 1105.

INDICATE FORMATION TOPS IN CONFORMANCE WITH GEOGRAPHICAL SECTION OF STATE

Southeastern New Mexico Northwestern New Mexico T. Ojo Alamo T. Penn. "B" ____ T. Canyon _ T. Kirtland-Fruitland _____ T. Penn. "C' _____ T. Strawn ___ T. Pictured Cliffs ______ T. Penn. "D" Atoka ____ T. Cliff House T. Leadville Miss__ Devonian _____ T. Menefee _____ T. Madison ____ _____ Т. Silurian _____ T. Point Lookout ____ T. Elbert ____ Oueen Montoya ______ T. Mancos _____ T. McCracken ____ Grayburg. 3765 T. Gallup___ San Andres _ Т Simpson ___ T. Ignacio Qtate 5271 Glorieta. McKee ______ Base Greenhorn _____ T. Granite _____ T. Ellenburger _____ T. _____ T. Paddock. Dakota ____ _____ T. Morrison _____ T. _ __ T. Gr. Wash ___ Blinebry _ T. Tubb ___ ____ T. Granite ______ T. Todilto ______ T. ____ T. Delaware Sand ______ T. Entrada _____ T. Drinkard -7588**'** T. Bone Springs _____ T. Wingate ____ T. _ Abo __ T. <u>8</u>761' T. Chinle _____ T. <u>9470'</u> T. Permian T. Penn. T. Penn. "A"_____ T. _____ T. ____ T Cisco (Bough C) 9617'

FORMATION RECORD (Attach additional sheets if necessary)

From	To	Thickness in Feet	Formation	From	To	Thickness in Feet	Formation
3765'		1506	Sand		<u> </u>		
5271'	6711'		Sand	ll l			
6711'	7588'		Lime	H			
7588	8761'		Lime & Sand				
8761	9470'		Lime & Sand				
9470'	9617'		Sand	il			
9617'	9681'	64	Sand				
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STATE OF NEW MEXICO ENERGY AND MINERALS DEPARTMENT

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DISTRIBUTION		
SANTA FE		
FILE		
U.\$.G.\$.		
LAND OFFICE		
4		1

OIL CONSERVATION DIVISION

	DISTRIBUTION	P. O. BOX 2088	Form C-103
	SANTA FE	SANTA FE, NEW MEXICO 87501	Revised 10-1-78
	FILE	Sa. Inaicate Ty:	
	U.S.O.S.	·	ر
	LAND OFFICE	State XX	Fee
	PERATOR	5. State Oti 6 G	ias Leasn No.
		V-18	
•	(DO NOT USE THIS FOR	SUNDRY NOTICES AND REPORTS ON WELLS MELLON BLOOM	
1.	OIL X GAS WELL	OTHER-	nt Name
2. No	me of Operator	3 JUN 13 1983 8. Farm or Leas	e Name
S	outhern Union E	Exploration Company of Texas [][Bough "C" Unit
3. Ad	dress of Operator		
1	217 Main Street	, Suite 400, Dallas, Texas 75202 CONSERVATION DIVISION 2	
4. Lo	cation of Well	10. Field and P	ool, or Wildcat
	UNIT LETTER E	. 660 West LINE AND 1980 PEET FROM I Inbe Pe	enn
'	VAII LETTLE	LINE AND PEET FROM THE	mmmm
	North	27 105 335	
	THE LI	NE, SECTION 27 TOWNSHIP 10S RANGE 33E NAMPM.	
~~	mmm		77/1/1/1/1/1/1/1/1/1/1/1/1/1/1/1/1/1/1/
		15. Elevation (Show whether DF, RT, GR, etc.) 12. County	
III		4194.1' GR Lea	
16.		Check Appropriate Box To Indicate Nature of Notice, Report or Other Data	
		E OF INTENTION TO: SUBSEQUENT REPORT OF	•
		201 111 211 101 101 101 101 101 101 101	•
PERF	DAM REMEDIAL WORK	PLUG AND ABANDON REMEDIAL WORK	RING CASING
TEM	PORARILY ABANDON	COMMENCE DRILLING OPHS. PLUG	AND ABANDONMENT
	OR ALTER CABING	CHANGE PLANS CASING TEST AND CEMENT JOB	
-		OTHER Well Status	₩X
		OTHER WELL SCALUS	<u>&</u> &
01	THER		
		pleted Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of	

At present, the Bough "C" Unit #2 is pumping at a rate of 2 to 3 barrels of fluid per day with a trace of oil. The reservoir study for the area has been completed and is being utilized to assess the economic value of the Bough $\hbox{\ensuremath{"C"}}$ and potential productive zones that are behind pipe. The well will continue pump testing until a decision is attained. At that time, a Sundry Notice will be filed to appraise you of the pending action.

18.1 hereby certify that the information above is true and	Drilling & title Production Engineer	DATE 1/4/83
APPROVED BY THE SEEL SUITE	SUPERVISOR DISTRICT I	DATE 1003
CONDITIONS OF APPROVAL, IF ANY:		•

DISTRIBUTION		,	Form C-103 Supersedes Old
NTA FE	NEW MEXICO OIL CONSERVATION	COMMISSION	C-102 and C-103 Effective 1-1-65
ILE	•		
.s.g.s.		ſ	5a. Indicate Type of Lease
AND OFFICE			State XX Fee
PERATOR	, and the second		5. State Oil & Gas Lease No. V-18
		152777755	mmmmm
IDD NOT USE THIS FORM FOR PAG	Y NOTICES AND REPORTS ON VELSTION FOR PLUC BANGE OF A DIVISION FOR PLUC BANGE OF A DIVISION FOR SUCH A POSALS.	ERENT RESERVOIR.	
OIL X GAS WELL	OTHER-	N 13 1983	7. Unit Agreement Name
Name of Operator Southern Union Expl	. LD. DI IA	ERVATION DIVISION SANTA FE	8. Farm of Lease Name Susco Bough "C" Unit
Address of Operator 1217 Main St., Suit	e 400, Texas Fed. Bldg., Dallas,	Texas 75202	9. Well No.
Location of Well E 66	O FEET FROM THE West LINE AND	1980	10. Field and Pool, or Wildon Inbe Penn
	ON 27 TOWNSHIP 10S	ŀ	
	15. Elevation (Show whether DF, RT, GR, 4194.1 GR	etc.)	12. County Lea
Check	Appropriate Box To Indicate Nature of I	lotice Report of Other	er Dara
	NTENTION TO:	SUBSEQUENT	
ERFORM REMEDIAL WORK	PLUG AND ABANDON REMEDIAL	YORK	ALTERING CASING
HDOHAEA VAIRARGEM	COMMENCE	DRILLING OPNS.	PLUG AND ABANDONMENT
JLE OR ALTER CASING		T AND CEMENT JOS L	ump tosting ' KY
	OTHER_	Perforation and p	ump testing XX
OTHER			·
. Describe Proposed or Completed O work) SEE RULE 1703.	perations (Clearly state all pertinent details, and give	pertinent dates, including o	estimated date of starting any proposed
Perforated Bough "C tubing and down hol on 11/4/81.	C" from 9622-9636' and acidized well e pump. Set pumping unit and ram	ith 500 gals of Mo n rods. Began pun	nd 101. Ran np testing well
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	The second second second second second second second second second second second second second second second se		
·			
. I hereby certify that the informatio	n above is true and cumplete to the best of my knowle	dge and belief.	
. I nereby certify that the informatio	n above is true and complete to the best of my knowled by the best of		DATE January 22, 1982
. I hereby certify that the information. HED PAT D Hamell THOUGH BY SESSION - C. PROVED BY SESSION	Venents TITLE OIL & Pro	od. Engineer	DATE January 22, 1982

NO. OF COPIES RECEIVED			Form C-103
DISTRIBUTION			Supersedes Old C-102 and C-103
SANTA FE	NEW WEXICO	OIL CONSERVATION COMMISSION	Effective 1-1-65
FILE	· ·	The stage of the s	
U.S.G.S.			Sa. Indicate Type of Lease State Fee
LAND OFFICE		JUL 29 1982	5, State Oil & Gas Lease No.
OPERATOR			V-18
(DO NOT USE THIS FOR	SUNDRY NOTICES AND REPUBLISHED AND REPUBLISHED APPLICATION FOR PERMIT - " (FORM COMPANY)	PORTS ON WELLS	
OIL XX WELL	OTHER-	<u>ां अत्यात्मन्यप्रभाग्या</u>	7. Unit Agreement Name
2. Name of Operator Southern Unio	n Exploration Company	of Texas UN 13 1983	8. Farm or Lease Name Susco Bough "C" Unit
			
1217 Main St.	, Suite 400, Dallas, T	exas 75202 CONSERVATION DIV.	2
<u> </u>		West LINE AND 1980	Inbe Penn
THE North	NE, SECTION 27 TOWNSH	10S 33E	_ HMPM.
mmmm	15. Elevation (S	how whether DF, RT, GR, etc.)	12. County
	4194.1		Lea
ić.	Check Appropriate Box To 1	Indicate Nature of Notice, Report	or Other Data
NOTIC	E OF INTENTION TO:	SUBSE	QUENT REPORT OF:
PERFORM REMEDIAL WORK	PLUG AND A	BANDON REMEDIAL WORK	ALTERING CASING
TEMPORARILY ABANDON		COMMENCE DRILLING OPNS.	PLUG AND A BANDONMENT
PULL OR ALTER CASING	CHANGE PLA	CASING TEST AND CEMENT JOB	
		OTHER Well Stat	us
OTHER		LJ	
17. Describe Proposed or Comwork) SEE RULE 1103.	pleted Operations (Clearly state all	pertinent details, and give pertinent dates, i	ncluding estimated date of starting any proposed
As of Jul fluid per of the ar be held i soon as t of the pe	day with a trace of o ea is under evaluation n the near future to d his decision is reache nding action to be tak	"C" Unit #2 was pumping at il show. At present, an on . A meeting with the partnecide what final actions ard, a Sundry Notice will be en.	going reservoir study ers in the well will e to be undertaken. As
0	1.	Drilling and	
SIGNED POT 5	mell	Production Engineer	DATE July 23, 1982
APPROVED BY	rreletton	TITLE SUPPRISON BUSTAICT 1	JUL 27 1982
CONDITIONS OF APPROVAL	JEANY.		
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NG. OF COPIES PECETYED			Form C-103
DISTRIBUTION			Supersedes Old C-102 and C-103
ANTA FE	NEW MEXICO OIL	. CONSERVATION COMMISSION	Effective 1-1-65
ILE	. •		• •
J.S.G.S.			5a. Indicate Type of Lease
AND OFFICE	•		State X Fee
PERATOR			5. State Oil & Gas Lease No.
SPERATOR J			V-18
SINDO	W. NO. 71.056 . LUD. D. 57.05.		mmmmmm -
	Y NOTICES AND REPORTION FOR PERMIT - " (FORM C-101)		
OIL X GAS WELL	ОТИЕЯ-	नाइटिझे(४)अं।	7. Unit Agreement Name
Name of Operator	U.REA-		8. Farm or Lease Name
		IS IIIN 13 1983	Susco Bough "C" Unit
Southern Union Explora	ition Company of Lexa	IS 1115 JUN 13 1300 IL	9. Well No.
•		LICE STREET	
1217 Main Street, Dall	as Texas 75202	OIL CONSERVATION DIVISIO	10. Field and Pooi, or Wildcat
	•	SANTA FE	· .
UNIT LETTER F	60 FEET FROM THE WE	est Line and 1980 FEET	Inbe Penn
THE North LINE, SECTIO	on 27 Township	10 S RANGE 33 E	NAPA.
	15. Elevation (Show	whether DF, RT, GR, etc.)	12. County
	4194.1' GR		Lea ()
ć.			
		cate Nature of Notice, Report of	
NOTICE OF IN	TENTION TO:	· SUBSEQ	UENT REPORT OF:
_			¬ ;—
PERFORM REMEDIAL WORK	PLUG AND ABAND	ON REMEDIAL WORK	ALTERING CASING
HODRARELY ASANDON		COMMENCE DRILLING OPNS.	PLUG ANS ABANDOMMENT
PULL OR ALTER CASING	CHANGE PLANS	CASING TEST AND CEMENT JOB	J
		OTHER	
Complete and Tes	t	_ X ·	
 Describe Proposed or Completed Op- work) SEE RULE 1103. 	perations (Clearly state all perti	nent details, and give pertinent dates, inc	luding estimated date of starting any proposed
	from TD to surface c	acina	
		asing	
		•	
	st Bough "C" zone.		
4) Acidize and/or	stimulate the zone.		
5) Flow or swab te	st zone to evaluate	potential as a commercial	well.
	and the second second		
	Till 10	.01	
	TIM OCT 15 P	101 [[[]]	
	1111	- CAUSION	
	EM WAS RIVATIO	M DIAIS:01	
	OIL CONSERVATION SANTA	FE	•
	3m.		•
f. I hereby cartifu that the information	Shove is true and complete to all	he best of my knowledge and belief.	
e. I hereby certary that the information	above is true and complete to the	ne deat of my knowledge and Dellet.	
W-1-01	10		
ICHED VAL JZ. Have	<u>Д</u> тіт	LE Drilling & Production En	ngineer park October 7, 1981
			
1	A11		OCT 13 1981
PPROVED BY title	11/2/2	SUPERVISOR DISTRIC	OL 2 DATE UUT LU 1967
ONDITIONS OF APPROVAL, IF ANY	•		

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NO. OF COPIES RECEIVED	 							Form C-103
DISTRIBUTION							•	Supersedes Old C-102 and C-103
SANTA FE			NEW	A WEXICO OI	L CONSE	ERVATION COMMISSION		Effective 1-1-65
FILE	1			•				
U.S.G.S.	\sqcup							5a. Indicate Type of Lease
LAND OFFICE		_						State XXX Fee
OPERATOR								5. State Oil & Gas Lease No.
								V -18
	SUI	NDRY	NOTICES A	ND REPOR	TS ON	WELLS CK TO A DIFFERENT RESERVOIS PROPOSALS.)	A . 6	
			OTHER-			गिष्टि सिर्	TEAT (7. Unit Agreement Name
2. Name of Operator Southern Union Ex	plo	rati	on Compan	y of Texa	s		2	8. Form of Lease Name Susco Bough "C" Unit
3. Address of Operator						711/2 -0 01/4 - 20 -130	<u> </u>	9. Well No.
1217 Main Street,	Da	llas	, Texas 7	5202		OIL CONSERVATION		# 2
4. Location of Well						SANTA FE	PIOISIAIO	10. Field and Pool, or Wildoat
UNIT LETTER		66	FEET	FROM THEW	est	LINE AND	FEET FROM	Vada Inbe Penn- B ough "C"
						HANGE 33 E		
						OF, RT, GR, etc.)	нмрм.	
				194.1' GR				12. County LEA
ić.	Che	ck A	ppropriate F	Box To Indi	cate Na	ature of Notice, Repo	rt or Oth	er Data
NOTIC			TENTION TO					REPORT OF:
PERFORM REMEDIAL WORK	7			PLUG AND ABAND	ON [REMEDIAL WORK		ALTERING CASING
TEMPORARILY ABANDON	ī .					COMMENCE DRILLING OPNS.	Ħ	PLUG AND ABANDONMENT
PULL OR ALTER CASING	j			CHANGE PLANS		CASING TEST AND CEMENT JO	, XXX	
						OTHER		
OTHER						•		
17. Describe Proposed or Co	mplete	ed Ope	rations (Clearly	state all perti	nent deta	ils, and give pertinent dates.	including	estimated date of starting any proposed
work) SEE RULE 1103.	·	_				, , , , , , , , , , , , , , , , , , , ,		, commence of comments of the
Ran 9668' of 5½", Cemented with 500 casing to 1500 ps) sk	s Cl	ass "H" +	4000 # sa	alt +	9-17-81. 282# of 6% Halad 2	22 - A on	9-18-81. Test
						,		
			•			•		
				•				
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18. I nereby certify that the i	nform	etion a	bove is true and	d complete to t	he best of	my knowledge and belief.		
() . W	ſ	,	00					
SIGNED Det	<u>(A</u>	0	vell,	717 - CCC	LE _Drl	g. & Prod. Engine	er	DATE September 28, 1981
				68	(47	li dana	-3	007.0
APPROVED BY	- 6- 5	كمع	10/1/2		<u>ت</u> کا	PERVISOR DIS	line 100	DATE
CONDITIONS OF APPROVA	 اسمال الما	ANY	/				-मग्रा	

NO. OF COPIES AZCEIVED		,	-	Form C-103
DISTRIBUTION		•		Supersedes Old C-102 and C-103
SANTA FE	NEW MEXIC	O OIL CONSERVATION COMMISSION		C-102 and C-103 Effective 1-1-55
FILE	<u> </u>		_	
U.S.G. S.				Sa. Indicate Type of Lease
LAND OFFICE	- 		1	State XXX Fee
OPERATOR			·	5. State Oil 6 Gas Lease No. V - 18
				mmminimm
(DO NOT USE THIS FORM	SUNDRY NOTICES AND RE I FOR PROPOSALS TO DEILL OR TO DEE APPLICATION FOR PERMIT -" IFORM C	PORTS ON WELLS PEN OR PLUG BACK TO A DIFFERENT RESERVOI -101) FOR SUCH PROPOSALS		
i. OIL XXX GAS WELL [OTHER-		25/11	7. Unit Agreement Name
2. Name of Operator		10 100	3	8. Farm or Lease Name
Southern Union Exp. 3. Address of Cherotor	loration Company of Te	111		Susco Bough "C" Unit
1217 Main Street.,	Dallas, Texas 75202	OIL CONSERVATION	DIVISION	# 2
4. Location of Well		SANTA:FE		10. Field and Pool, or Wildow
UNIT LETTER E		West LINE AND 1980	FEET FROM	Vaila Inhe Penn Bornin "e"
THE North LINE	E, SECTION 27 YOWNS	HIP 10 S RANGE 33 E	NMPM. [
mmmm	15 Flavorica (Show whether DF, RT, GR, etc.)		
	4194.1'	• •		12. County LEA
1ė. C		Indicate Nature of Notice, Repo	ert or Othe	
	OF INTENTION TO:			REPORT OF:
PERFORM REMEDIAL WORK	PLUG AND	ABANDON REMEDIAL WORK		ALTERING CASING
TEMPORARILY ASANDON		COMMENCE DRILLING OPNS.	Щ.	PLUG AND ABANDONMENT
PULL OR ALTER CASING	CHANGE PL		• <u>XX</u> X	· [—]
OTHER	•	OTHER		U
17. Describe Proposed or Comp. work) SEE RULE 1103.	leted Operations (Clearly state all	pertinent details, and give pertinent dates	, including e	stimated date of starting any proposed
Cemented w/ 1750 skg 2% CaCL. Circulated to 1500 psi for 20 m	s Halliburton lite + d 50 sacks cement to minutes. Held OK. D	: 21 jts of 40#/ft. J-55 15 #/sk salt + 5#/sk gilso surface during job. WOC f rilled out 9 5/8" casing u 5 minutes w/8.3#/gal. flui	onite + 1 for 8 hrs	1/4#sk flocele + s. Tested casing
		•		
	•	- -		
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				•
18. I hereby certify that the info	ormation above is true and complete	e to the best of my knowledge and belief.	· · · · · · · · · · · · · · · · · · ·	
		o v. my knowledge and belief.		•
SIGNED But D. A	arrellia	TITLE Drlg & Prod. Enginee	er	DATE September 28, 1981
	158			1981
			•	005:0
APPROVED BY		TITLE		BATE 0072 1981

CONDITIONS OF APPROVAL, IF ANY:

		Supersedes Old
DISTRIBUTION	- NEW VEY/ES SIL SELECTION SILVER	C-102 and C-103
SANTA FE	NEW MEXICO OIL CONSERVATION COMMISSION	Effective 1-1-65
FILE		Sa. Indicate Type of Lease
U.S.G.S.	-	State XXX Fee
OPERATOR		5. State Oil 6 Gas Lease No.
OPERATOR	→	1 1
SUNC IDD NOT USE THIS FORM FOR F USE "TAPPLIC	DRY NOTICES AND REPORTS ON WELLS PROPOSALS TO DEFILE TO THE DESCRIPTION OF THE BACK TO A DIFFERENT RESERVOIR.	\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\
WELL XXX WELL	OTHER TOTAL	7. Unit Agreement Name
2. Name of Operator		8. Farm or Lease Name
Southern Union Explora	ation Company of Texas	Susco Bough "C" Unit
2. Address of Cherator		9. Well Nc.
1217 Main Street, Dall	Las, Texas 75202 OIL CONSERVATION DIVIS	SION 10. Field and Pool, or Wildeat
4. Location of Well UNIT LETTER E	SANTA FE	T FROM Vada Inbo Renn Bount "
THE North LINE, SEC	TION 27 TOWNSHIP 10 S RANGE 33 E	NMPM. (())
·····		
	15. Elevation (Show whether DF, RT, GR, etc.)	12. County
	4194.1' GR	LFA
	k Appropriate Box To Indicate Nature of Notice, Report of INTENTION TO: SUBSEQ	or Other Data UENT REPORT OF:
		_
PERFORM REMEDIAL WORK	PLUG AND ABANDON REMEDIAL WORK	ALTERING CASING
TEMPORARILY ABANDON	COMMENCE DRILLING OPNS.	PLUG AND ABANDONMENT
PULL OR ALTER CASING	CHANGE PLANS CASING TEST AND CEMENT JQB XX	<u> </u>
	OTHER	
OTHER		
17. Describe Proposed or Completed work) SEE RULE 1103.	Operations (Clearly state all pertinent details, and give pertinent dates, inc	luding estimated date of starting any proposed
Ran 428' of 13 3/8", 6 "C" cement with 2% caC	1#/ft., J-55, ST&C casing on 7-20-81. Cemente L.	d with 420 sacks of Class
	cement to surface during job. WOC for 8 hrs.	Tested casing to 500 psi
for 15 minutes. Held	OK. Drilled out 13 3/8" casing with a 12 1/4" to 1500 psi for 30 minutes. Held OK.	bit. Made 5' of
		2
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16. I neesby carries that the informati	ion above is true and complete to the best of my knowledge and belief.	-
10. I hereby Certify that the impression	above is true and complete to the best of my knowledge and belief.	
SIGNED But M. SH	TITLE Drlg & Prod. Engineer	DATE September 28, 19
·	SUPERVISOR DISTR	ICI 1 Opto
APPROVED BY	TITLE	DATE ULI 2 1997
CONDITIONS OF APPROVAL, IF AL	NY: /	.001

NO. OF COPIES RECEIVED				Form C-103	
DISTRIBUTION				Supersedes Old C-102 and C-103	
SANTAFE	NEW MEXIC	O OIL CONSERVATION COMMISSION		Effective 1-1-65	
FILE			_		
U.S.G.S.			[3	Sa. Indicate Type of Leas	<u> </u>
LAND OFFICE				State XXX	Fee
OPERATOR				S. State Oil & Gas Lease	No.
		· ·		V -18	
(DO NOT USE THIS FORM USE **	SUNDRY NOTICES AND RE M FOR PROPOSALS TO DRILL OR TO DE APPLICATION FOR PERMIT -" (FORM	PORTS ON WELLS EPEN OR PLUG BACK TO A DIFFERENT RESERVO C-1011 FOR SUCH PRO 15AL	in.4		
OIL GAS WELL WELL	OTHER-	्रीसाटोझोर्∧	25	7. Unit Agreement Name	
2. Name of Operator		111111111111111111111111111111111111111		8. Farm or Lease Name	
Southern Union Exp	oloration Company of T	Texas JUN 13 198	13	Susco Bough "C	" [Ini+
3. Address of Cherator		L-1L		9. Well No.	<u> </u>
1217 Main Street,	Dallas, Texas 75202	OIL CONSERVATION	DIVISION	#2	}
4. Location of Well		SANTA FE		10. Field and Pool, or Wi	iccat
UNIT LETTER F.	660	West LINE AND 1980		Made Inha Bonn-	Bough IIO
UNII CEI 168	FEET FROM THE	LINE AND	- FLET FROM	William Till	TITITI
THE North LIN	E, SECTION 27 TOWNS	SHIP 10 S RANGE 33 E	имрм.		
	15. Elevation	(Show whether DF, RT, GR, etc.)		12. County	44444
		4194.1' GR	1	LEA	
iė.		······	200 GE Oct		777777
	E OF INTENTION TO:	Indicate Nature of Notice, Repo		r Data REPORT OF:	
			۲٦		
PERFORM REMEDIAL WORK	PLUG AND	ABANDON REMEDIAL WORK		ALTERING CASH	=
TEMPORARILY ASAMON		COMMENCE DRILLING OPNS.	XX	PLUG AND ABAND	ONMENT
PULL OR ALTER CASING	CHANGE P	CASING TEST AND CEMENT JO	te		
	•	OTHER			
OTHER		·			
17. Describe Proposed or Com	pleted Operations (Clearly state al	l pertinent details, and give pertinent dates	including =	stimated date of stations	inv proposed
work) SEE RULE 1 (03.	and the state of t	- Carrow access, and gave pertinent dates	., tautng es	starting of	my proposed
Well spudded at 10:	:30 PM on 7-19-81				
padaca at 10.	.50 I.M. OII /-I9-0I				
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		en en en en en en en en en en en en en e		, and the second	
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In I nereby certify that the inf	formation above is true and comple-	te to the best of my knowledge and belief.			
10, I hereby certify that the int	oning to the and complet	te to the best of my knowledge and belief.			
(HIM	d/011-00				
SIGNED / CET /	HULLER	TITLE Drlg & Prod. Enginee	<u>r</u>	DATE September	r 28, 198
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. • • •		STIDEDIMO		Anta	3511 4
APPROVED BY		THE BULLY ANDH DIST	RIC"	DATE 0012	
CONDITIONS OF APPROVAL	IF ANY:		M		•

NO. OF COPIES RECEIVED			Form C-103		
DISTRIBUTION			Supersedes Old C-102 and C-103		
SANTA FE	NEW MEXICO	NEW MEXICO OIL CONSERVATION COMMISSION			
FILE .					
U.S.G.S.			5a. Indicate Type of Lease		
LAND OFFICE			State XXX Fee		
OPERATOR			5. State Oil & Gas Lease No.		
			V -18		
IDO NOT USE THIS FORM	SUNDRY NOTICES AND REP M FOR PROPOSALS TO DRILL OR TO DEEP APPLICATION FOR PERMIT (FORM C-	ORTS ON WELLS EN OR PLUG BACK TO A DIFFERENT RESERVOIR.			
OIL GAS WELL	OTHER-	前親的點(八人)表則	7. Unit Agreement Name		
	oloration Company of Tex	xas JUN 13. 1983	8. Farm or Lease Name Susco Bough "C" Unit		
. Address of Cherator			9. Well No.		
1217 MAIN ST. , Da	ıllas, Texas 75202	OIL CONSERVATION DIVISION	#2		
4. Location of Well		SANTA FE	16. Field and Pooi, or Wildcat		
UNIT LETTER E		West LINE AND 1980 FEET	FROM World Inbe Penn Pongh "C		
THE North LIN	NE, SECTION 27 TOWNSHI	P 10 S RANGE 33E N	ирм. (()))))))))))))))))))))))))))))))))))		
mmmm	15. Elevation (St	now whether DF, RT, GR, etc.)	12. County		
		94.1' GR			
			LEA ())))))		
•		ndicate Nature of Notice, Report or			
NOTICE	E OF INTENTION TO:	SUBSEQU	ENT REPORT OF:		
PERFORM REMEDIAL WORK	PLUG AND AE		ALTERING CASING		
TEMPORARILY ABANDON		COMMENCE DRILLING OPNS.	PLUG AND ABANDONMENT		
PULL OR ALTER CASING	CHANGE PLAN	OTHER			
OTHER Changing W	ell Name	XXX			
17. Describe Proposed or Com work) SEE RULE 1603.	pleted Operations (Clearly state all p	pertinent details, and give pertinent dates, inclu	ding estimated date of starting any proposed		
2011) 222 4322 4100					
Old Name : Susco 2	7 State #1				
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			service services		
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lo. I nereby certify that the in	formation above is true and complete	to the best of my knowledge and belief.			
\bigcirc . \square	11		· .		
SIGNED tot 19	Harrell, Box	TITLE Drlg. & Prod. Engineer	DATE September 28, 198		
· · · · · · · · · · · · · · · · · · ·			_		
APPROVED BY	Man x hill	SUPERVISOR DISTRIC	m OCT 2 1981		
· · · · · · · · · · · · · · · · · · ·					

CONDITIONS OF APPROVAL, IF ANY:

30-025-27276

NO. OF COPIES RECEIVED						• •
DISTRIBUTION	NEW	MEXICO OIL CONS	ERVATION COMMISSIO	N	Form C-101	
SANTA FE					Revised 1-1-	65
FILE					•	Type of Lease
U.S.G.S.					STATE (
LAND OFFICE	 					& Gas Lease No.
OPERATOR					7-18 77777	mmm
APRI ICATIO	ON FOR PERMIT TO	DDILL DEEDEN	OP PLUC BACK			
1a. Type of Work	SN TOR FERMIT TO	DRILL, DELFEN,	, OR FLUG BACK		7. Unit Agre	eement Name
🔽	٦	—			•	
b. Type of Well DRILL X		DEEPEN .	PLUG	BACK	8. Farm or L	ease Name
OIL GAS WELL	OTHER	**			Susco	State 27 State
2. Name of Operator				***	9. Well No.	
Southern Union Ex	ploration Compar	y of Texas	ii _un 13 198	3	#1	\mathcal{O}
3. Address of Operator	O 11	15000		וטון	10. Field or	Pool of Wildcar
1217 Main Street,			L CONSERVATION I		Bag ley	/ - Boug h-"C"
4. Location of Well UNIT LETT	rer <u>E</u> Loc	ATED 6601	FEET FROMSTARINGST	TIME		
1000	Nonth	27	100	225		
AND 1980 FEET FROM	M THE North LIN	E OF SEC. 27	TWP. 105 RGE.	33E NMPM	12. County	//////////////////////////////////
HHHHHHH	HHHHHH			HHHH	Lea	HHHH
		<i> </i>	19. Proposed Depth	19A. Formation		20. Rotary or C.T.
			10,000'	Bough	"C"	Rotary
21. Elevations (Show whether DI	F, RT, etc.) 21A. Kind	& Status Plug. Bond	21B. Drilling Contractor			. Date Work will start
4194.1 GR			Unknown		Febru	uary 15, 1981
23.	Р	ROPOSED CASING AN	ID CEMENT PROGRAM			
SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOO	T SETTING DEBTI	LEACKEOF	CEMENT	FCT TOD
17-1/2"	13-3/8"	48#	T SETTING DEPTH	SACKS OF Circul		EST, TOP
12-1/4"	8-5/8"	24# & 32#	4000'	2100	a cc	Surface
7-7/8"	5-1/2"	15.5# & 17#		1000		4000'
, ,, 6	0 1/2	1 2000 " " 27 "	1 23,000	1		,
BOP equipment wil	1 be used in acc	ordance with	New Mexico state	e rules a	nd will	be
adequate for the	area.					
		-77				
See attached BOP	Sketeh.	- ; · · · · · · · · · · · · · · · · · ·				
۲	C. C. SANTA FE					
\ .	602 65	· · · · · · · · · · · · · · · · · · ·				
\ .	100	31, 121014				
* V	-A FE					.00
•	OIL SANTA			APPROVA	L VALID	FOR 180 PAYS
				PERMIT	T EXPIRES	SIDSIOL
				UNLE	ss drilli	NG UNDERWAY
	DODGER BROSELIE					
TIVE TONE. GIVE BLOWOUT PREVEN	TER PROGRAM: IF	-RUPUSAL IS TO DEEPEN	UR PLUG BACK, GIVE DATA (ON PRESENT PRO	DUCTIVE ZONE	AND PROPOSED NEW PRODUC
I hereby certify that the informati	ion above is true and comp	lete to the best of my	knowledge and belief.			
. Kon All	1416	m. Drilling	& Production En	nineer	Fohr	Jary 10 1001
Signed / FI PI	My Series	Title UTILITY	& Production En	gincer [ate EUT	July 10, 1701
(This space for	State Use)		·		r	TD 00 1004
\mathcal{U}_{∞}	. /////	SI TO F	ERVISOR DIST	RICT #	r	EB 23 1981
APPROVED BY	Who len	TITLE DUFT	TIA IN OIL TOID	. 	ATE	

NEW MEXICO OIL CONSERVATION COMMISSION WELL LOCATION AND ACREAGE DEDICATION PLAT

A. I distances must be from the outer boundaries of the Section

Form (* - 1.) Supersedes E-128

Southern Un Expl Co of TX SUSCO State 27 State South 33 East north 660 west 4194.1 Bough "C" Origine the acreage dedicated to the subject well by colored pencil or hachire marks on the plat be If it is than one lease is dedicated to the well, outline each and identify the ein est and rosalts. If more than one leave of different impership is dedicated to the well, have the ... of the communitization, unitization, force-pooling, etc? GIL CONSERVATION DIVISION If answer is "ves!" type of consolidation His same a "no" list the owners and tract descriptions which have actually been consolidated. The reverse side of water will be assigned to the well until all interests have been consolidated (by premin treation, unities and the expending, or otherwise for until a non-standard unit, eliminating such interests, has been expressed by the Compassion hereby certify that the information con-Ronald M. Sentz Drilling & Production Eng. Southern Un Expl Co of TX February 10, 1981 Registron

1500

1000

800

Pat G. Harrell

Prilling & Production Engineer

(Title)

January 20, 1983

OIL & GAS INSPECTOR

This form is to be filed in compliance with RULE 1104.

If this is a request for allowable for a newly drilled or despense well, this form must be accompanied by a tabulation of the deviation tests taken on the well in accordance with MULE 111.

All sections of this form must be filled out completely for allowable on new and recompleted wells.

Fill out only Sections 1, 11, 111, and VI for changes of owner well name or number, or transporter, or other such change of condition.

Separate Forms C-104 must be filled for each pool in multiple completed walls.

OIL CONSERVATION DIVISION

P. O. BOX 2088

SANTA FE, NEW MEXICO 87501011 CONSERT

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SANTA FE		\Box	
71LE			
U.4.U.8,			
LAND OFFICE			
TRANSPORTER	OIL		
	DAS		
OPERATION			
PROBATION OFF	KE		

DEC 1 11 1982 REQUEST FOR ALLOWABLE AND AUTHORIZATION TO TRANSPORT OIL AND NATURAL GAS JUN 13 1983 Operator OIL CONSERVATION DIVISION Southern Union Exploration Company of Texas SANTA FE 1217 Main Street, Dallas, Texas Reason(s) for liling (Check proper box) Other (Please capiam)
Permit to sell 150 bbls of test oil. New Well (The well is uneconomical & is being Recompletion CII Dry Gas evaluated) Change in Ownership If change of ownership give name and address of previous owner IL DESCRIPTION OF WELL AND LEASE ell No. | Pool Name, Including Formation Kind of Lease Lease No. Susco Bough "C" Unit 2 State, Federal or Fee Inbe Penn State V-18 Location 660 West ___ Line and __ 1980 North Feet From The 27 Line of Section T. mahip 10s Range 33E , NMPM, Lea County II. DESIGNATION OF TRANSPORTER OF OIL AND NATURAL GAS Address (Give address to which approved copy of this form is to be sent) Name of Authorized Transporter of Cil X Southern Union Refining Company 1001 N. Turner, Box 980, Hobbs, NM 88240 Kame of Authorized Transporter of Casinghead Gas or Dry Gas Address (Give address to which approved copy of this form is to be sent) When Rqe. Is gas actually connected? Unit Sec. Twp. If well produces oil or liquids, give location of tanks. If this production is commingled with that from any other lease or pool, give commingling order numbers V. COMPLETION DATA Gas Well Same Res'v. Diff. Res'v. Oil Well Plug Back Workover Designate Type of Completion - (X) Date Soudded Date Compl. Ready to Prod. Total Depth P.B.T.D. Tubing Depth Elevations (DF. RKB, RT. GR, etc.) Name of Producing Formation Top Oil/Gas Pay Depth Casing Shoe Perforations TUBING, CASING, AND CEMENTING RECORD HOLE SIZE CASING & TUBING SIZE SACKS CEMENT (Test must be after recovery of total volume of load oil and must be equal to or exceed top allow-able for this depth or be for full 24 hours) TEST DATA AND REQUEST FOR ALLOWABLE Producing Method (Flow, pump, gas lift, etc.) Date First New Oil Run To Tanks Choke Size Length of Teet Tubing Pessure Casing Pressure Cii-Bale. Water - Bble. Gas - MCF Actual Prod. During Test GAS WELL Actual Prod. Teet-MCF/D Length of Test Bbis. Condensate/MMCF Gravity of Condensate Testing Method (pulpt, back pr.) Tubing Pressure (Shut-in) Cosing Pressure (Shut-in) Choke Size OIL CONSERVATION DIVISION 1. CERTIFICATE OF COMPLIANCE hereby certify that the rules and regulations of the Oil Conservation Division have been complied with and that the information given above is true and complete to the best of my knowledge and belief.

(Signature) Drilling & Production Engineer

December 1, 1982

(Title)

(Date)

SUPERVISOR DETRICT 1 AVILE

This form is to be filed in compliance with RULE 1104.

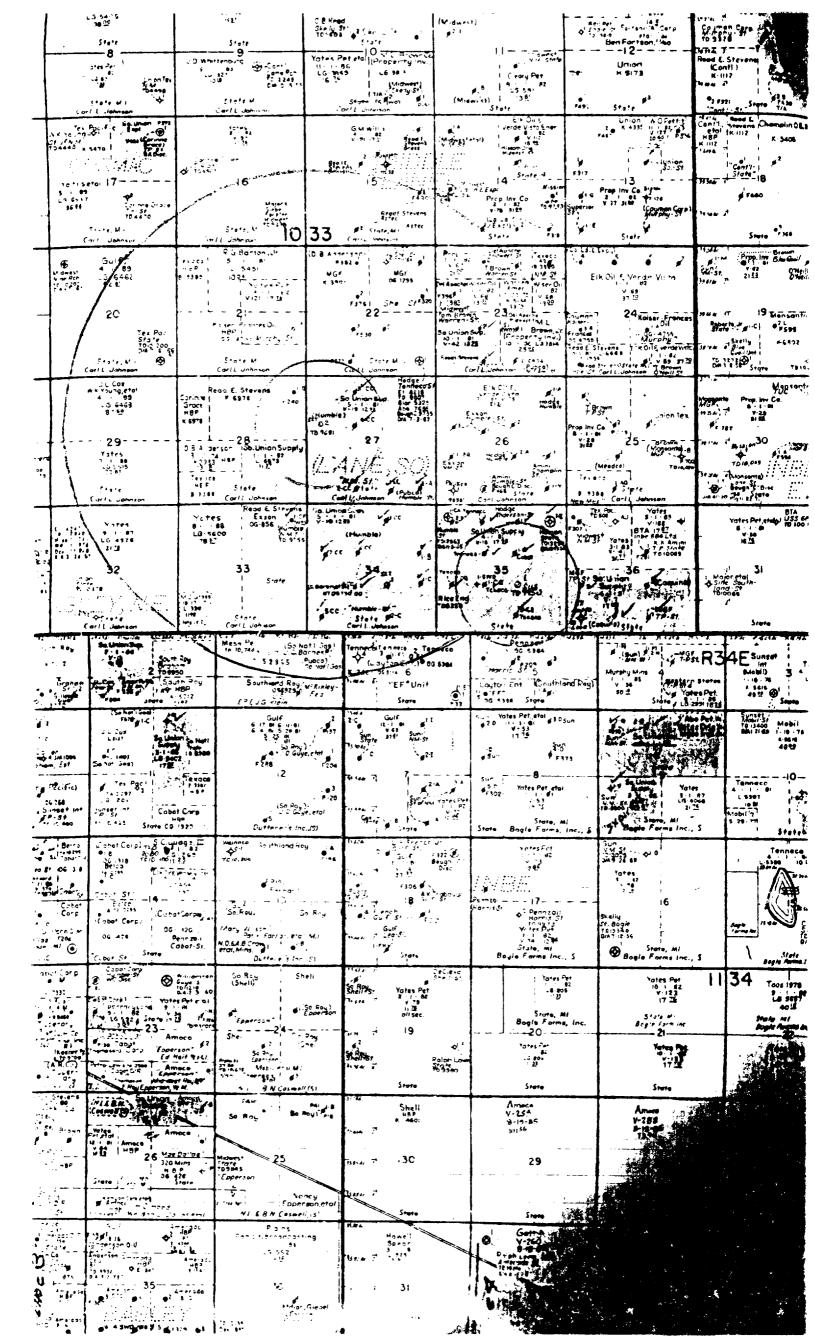
If this is a request for allowable for a nawly drilled or despenses well, this form must be accompanied by a tabulation of the deviation tests taken on the well in accordance with MUCK 111.

All sections of this form must be filled out completely for sllow-able on new and recompleted wells.

Fill out only Sections 1. II. III, and VI for changes of owner, wall name or number, or transporter, or other such change of condition

Separate Forms C-104 must be filed for each pool in multiple connected wells.

Wm. M. Anderson, M. Georgio Ann Dyncon, S.	Byrger For Constitution	A STATE OF THE STA	10	.14	12
Yeres 9-10-01	Yofes 3 - 21 - 03	9		⊕¹ Fresport	Votes Vates 3-20-00 13-22 143-23
no d	Rea Killebrow, etal, Mi Win & Ress, stal pt.8. Bourn	State	State	ohi a s'eo Stata	State Leas
	Mayne Gill 9-10-84 166-47	Adobe Oil \$600 3-20-64 890-	Yares 3-20-84 7a(3	La.Ld.E.Exp! E. G.M.Cone Freeport Dil 12 1 - 83 10 - 15 - 70 L6-1445 L-1529 108	ARCa. 6.M. Cone 2:21:77 2:8:78 78 78 79 1912 7enne 9
	Del-Apeche Superior - St. O This Soc.	State	15	L-1529 10 mm	State 1/2 MI Joyce E: Linda James (S) 1/2 MI
n ≠ 16	17-	-16	13	ta. Ld. E. Expl. E. Freeport Oil II - 19-78	G.M. Cone G.M. Cone
nor d Store	Dalco 1 20 00 \$100 5 6077 \$100 13 17	Store, Mi 13	36 Store	L-1654 1719 State	Libbie Jomes Life Est Joyce O E: Lindo James (S.
No. Bat. Day ea-fer me. W	Dalce . 20 - 90 . 4077 (3.17	Read 6. Stevens L - 21 - 79 L - 2367 12 78	Azfec 8 - 17 - 80 1 - 6307 15 54	G.M.Cone 11- 1- 83 LG-1383	G.M.Coppe GM.Fer
See of Brong Mil. Life Est.				Values 16.37	Jayce L. Linda D. Corris G. James James Leorgis Ann Buncon
File to the line in the line i	20	21	2 2 L C. Marris 2 1 04 LG 1535	Magnotia M M M & Andersen M M	g M. Cores G.
State State Palsy Word 1915) Letter Aliten, etal	State M.I. Mary Hendricks, LifeEst. Julia E. Mary M ^e Cture(S)	State, MI Julie I. H. McClure, S	15 Q# Stete	State Gainer State	M.R. Anders B.M. Core son, MI 6:29-78 Ruby Elis. Brum, S. M. Angerson, M. D. Machie May Price
ME IN CO.	Schutz + 64 200- Stole, M / 2005		Votes 10-84 50-	So Union Sup. S-1-06	J 25.0
Ma. Natt. Gas 60-50 10-50 10-50		Marie Price, et al.		Lete B. Geiner Geiner Lete B. Geiner Mayerest Mitus R. Anderson State	lio te
wave # 30 Leaster	29 -	Read 6: 28 Samedan Vs Stevens Carpman Corp. 3 22 78 2-1-81 3 22 78	Sametan V3 27 Caymon Cerp. 3 : 25 - 73 3 : 22 - 73	M J. McClish	25 - 30 46 Mobil 1/2 M.
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