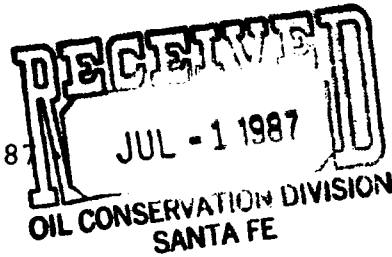


June 29, 1987



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

Case 9/89

Re: Merland No. 1 Well
Township 22 South, Range 26 East, NMPM
Section 24: SW/4 SE/4
Eddy County, New Mexico

Gentlemen:

Enclosed for filing, please find three copies of the Application of Ray Westall for a Salt Water Disposal Well, Eddy County, New Mexico, together with three copies of Form C-108 thereon. Also enclosed is an Affidavit of Mailing reflecting the mailing of true copies of the Application and Form C-108 to the surface owner and leasehold operators within one-half mile of the well location.

We ask that this matter be set for hearing before an Examiner, and that we be furnished with a docket of said hearing.

Thank you.

Very truly yours,

DICKERSON, FISK & VANDIVER

A handwritten signature in cursive script that reads "David R. Vandiver".

David R. Vandiver

DRV:pv
Enclosures

cc w/enclosures: Mr. Ray Westall

BEFORE THE OIL CONSERVATION DIVISION
OF THE STATE OF NEW MEXICO

IN THE MATTER OF THE APPLICATION :
OF RAY WESTALL FOR A SALT WATER :
DISPOSAL WELL, EDDY COUNTY, NEW :
MEXICO :

CASE NO. 9189

APPLICATION

COMES NOW Ray Westall, by his attorneys, and in support hereof, respectfully states:

1. Applicant proposes to re-enter and complete the Merland No. 1 Well, located 990 feet from the south line and 1,870 feet from the east line of Section 24, Township 22 South, Range 26 East, N.M.P.M., Eddy County, New Mexico, as a salt water disposal well, with a planned injection interval of 3,670 feet to 3,720 feet in the Cherry Canyon formation.

2. Form C-108, Application for Authorization to Inject, is filed with this Application.

3. A copy of this Application and a copy of the C-108 are being furnished to the following named owners of the surface and leasehold operators within one-half mile of the well location, as reflected by the Affidavit of Mailing filed herewith, to-wit:

Surface Owner: Mary F. Merchant
P. O. Box 548
Carlsbad, New Mexico 88220

Offset Operators: Pennzoil Company
P. O. Drawer 1828
Midland, Texas 79701

Grace Energy Company
P. O. Box 207
Carlsbad, New Mexico 88220

Corinne Grace
P. O. Box 1418
Carlsbad, New Mexico 88220

Arco Oil and Gas Company
P. O. Box 1610
Midland, Texas 79702

JFG Enterprises
P. O. Box 100
Artesia, New Mexico 88210

Cities Service Oil and Gas Corporation
P. O. Box 1919
Midland, Texas 79702

WHEREFORE, Applicant prays:

A. That this Application be set for hearing before an examiner and that notice of said hearing be given as required by law.

B. That upon hearing the Division enter its order authorizing Applicant to re-enter and complete the Merland No. 1 Well, located in Unit O of Section 24, Township 22 South, Range 26 East, N.M.P.M., Eddy County, New Mexico, in such a manner as to permit the injection of salt water for disposal purposes into the Cherry Canyon formation at approximately 3,670 feet to 3,720 feet.

C. And for such other and further relief as may be just in the premises.

RAY WESTALL

By: 
David R. Vandiver

DICKERSON, FISK & VANDIVER
Seventh and Mahone, Suite E
Artesia, New Mexico 88210
(505) 746-9841

Attorneys for Applicant

Case 9189

APPLICATION FOR AUTHORIZATION TO INJECT

Ray Westall, Merland #1

APPLICATION FOR AUTHORIZATION TO INJECT

- I. Purpose: Secondary Recovery Pressure Maintenance Disposal Storage
Application qualifies for administrative approval? yes no
- II. Operator: RAY WESTALL
Address: P.O. BOX 4 LOCO HILLS NEW MEXICO 89255
Contact party: RAY WESTALL Phone: (505) - 677-3113
- III. Well data: Complete the data required on the reverse side of this form for each well proposed for injection. Additional sheets may be attached if necessary.
- IV. Is this an expansion of an existing project? yes no
If yes, give the Division order number authorizing the project _____
- V. Attach a map that identifies all wells and leases within two miles of any proposed injection well with a one-half mile radius circle drawn around each proposed injection well. This circle identifies the well's area of review.
- * VI. Attach a tabulation of data on all wells of public record within the area of review which penetrate the proposed injection zone. Such data shall include a description of each well's type, construction, date drilled, location, depth, record of completion, and a schematic of any plugged well illustrating all plugging detail.
- VII. Attach data on the proposed operation, including:
1. Proposed average and maximum daily rate and volume of fluids to be injected;
 2. Whether the system is open or closed;
 3. Proposed average and maximum injection pressure;
 4. Sources and an appropriate analysis of injection fluid and compatibility with the receiving formation if other than reinjected produced water; and
 5. If injection is for disposal purposes into a zone not productive of oil or gas at or within one mile of the proposed well, attach a chemical analysis of the disposal zone formation water (may be measured or inferred from existing literature, studies, nearby wells, etc.).
- *VIII. Attach appropriate geological data on the injection zone including appropriate lithologic detail, 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 correct to the best of my knowledge and belief.
- Name: Ray Westall Title: OPERATOR
Signature: Ray Westall Date: 6/25/87
- * If the information required under Sections VI, VIII, X, and XI above has been previously submitted, it need not be duplicated and resubmitted. Please show the date and circumstance of the earlier submittal.

TABLE OF CONTENTS

- I. Purpose
- II. Operator
- III. Well Data
- IV. Expansion of existing project? (not applicable)
- V. Area Map
- VI. Tabulation of Well Data
- VII. Proposed Operation Data
- VIII. Geological Data
- IX. Proposed stimulation program
- X. Well Log
- XI. Fresh Water Analysis
- XII. Affirmative Statement
- XIII. Proof of Notice
- XIV. Certification

I. Purpose

- a. To inject produced water from the producing Brushy and Cherry Canyon formations into a non productive Cherry Canyon formation sand.
- b. Application does not qualify for administrative approval.

II. Operator

Ray Westall. Offices located at the Hughes Services building in LocoHills New Mexico. Mailing address P.O. Box 4 LocoHills New Mexico 88255. Phone Number (505)677-3113.

SECTION III
WELL DATA

III. Well Data:

A.

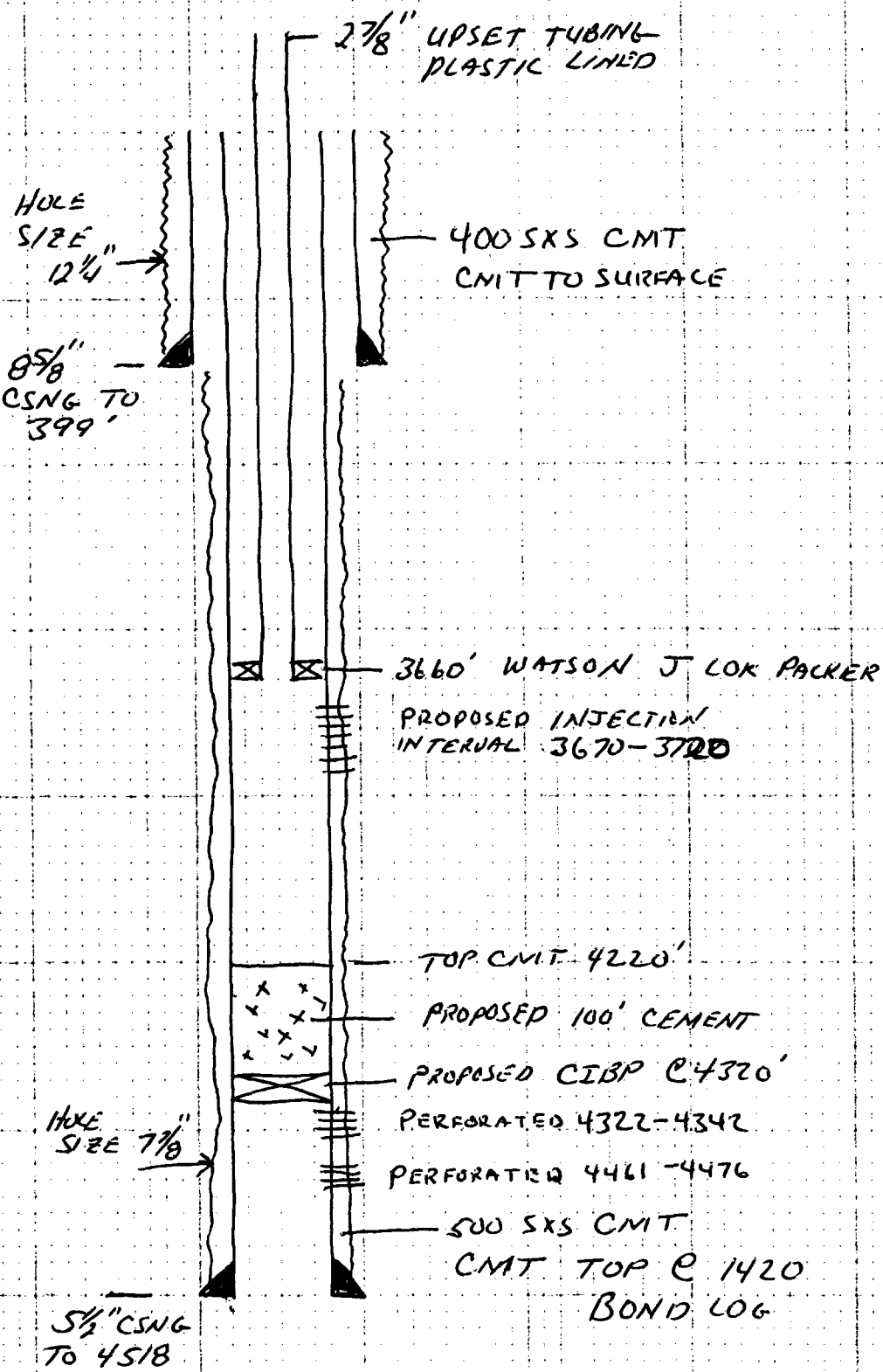
1. Lease Name: Ray Westall Merland, Well No.1
Location: Sec. 24-T22S-R26E, Eddy County.
Footage: 990' FSL & 1870' FEL.
2. Casing Strings:
8 5/8" 24# J-55 0-399'
Cemented with 250 sacks class "C" cement
Cement did not circulate, ran 1" to 150' pumped
100 sacks class "C" circulated to surface.
5 1/2" J-55 0-4518.
Cemented with 300 sacks Lite "C" and 200 sacks
50-50 poz class "C". Top cement 1420' by bond
log.
3. 2 7/8" upset tubing plastic lined to be set at
3660'.
4. Watson J Lok packer with nickel coating to be set
at 3660'.

B.

1. Formation: Cherry Canyon
2. Interval: 3670-3720' Perforated.
3. Brushy Canyon oil well.
4. Perforated: 4461-4476, 4322-4342 proposed
plug back with CIBP at 4322, dump 100' cement.
5. Cherry canyon at 3100'.

RAY WESTALL
MERLAND No. 1
990 FSL & 1870 FEL
SECTION 24-T22S-R26E

SPUD - 8-13-79
TD - 4527
FORMATION - BRUSHY
CANYON
TYPE OIL WELL



FILE	
U.S.G.I.	
LAND OFFICE	
TRANSPORTER	OIL <input type="checkbox"/>
	GAS <input type="checkbox"/>
OPERATOR	
PRORATION OFFICE	

**REQUEST FOR ALLOWABLE
AND
AUTHORIZATION TO TRANSPORT OIL AND NATURAL GAS**

Supersedees Old C-104 and C-11
Effective: 1-1-65

RECEIVED

MAR 14 1980

Operator Joe Don Cook RAY WESTALL	O. C. D. ARTESIA OFFICE
Address 805 North Richardson Roswell, New Mexico 88201	
Reason(s) for filing (Check proper box)	Other (Please explain)
New Well <input checked="" type="checkbox"/>	CASINGHEAD GAS MUST NOT BE FLARED AFTER 5-1-80 UNLESS AN EXCEPTION TO Rule 306 IS OBTAINED 12-683 until further Notice
Recompletion <input type="checkbox"/>	
Change in Ownership <input type="checkbox"/>	
Change in Transporter of:	
Oil <input type="checkbox"/>	Dry Gas <input type="checkbox"/>
Casinghead Gas <input type="checkbox"/>	Condensate <input type="checkbox"/>

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

II. DESCRIPTION OF WELL AND LEASE

Lease Name Merland	Well No. 1	Pool Name, including Formation S. Carlsbad-Delaware	Kind of Lease State, Federal or Fee Fee	Lease No.
Location Unit Letter 0 ; 990 Feet From The South Line and 1870 Feet From The East				
Line of Section 24 Township 22S Range 26E , NMPM, Eddy County				

III. DESIGNATION OF TRANSPORTER OF OIL AND NATURAL GAS

Name of Authorized Transporter of Oil <input checked="" type="checkbox"/> or Condensate <input type="checkbox"/>	Address (Give address to which approved copy of this form is to be sent)					
Navajo Crude Oil Purchasing Co.	Box 159 Artesia, New Mexico 88210					
Name of Authorized Transporter of Casinghead Gas <input checked="" type="checkbox"/> or Dry Gas <input type="checkbox"/>	Address (Give address to which approved copy of this form is to be sent)					
Trans Western Pipe Line	Box 2521 Houston, Texas 77701					
If well produces oil or liquids, give location of tanks.	Unit	Sec.	Twp.	Rge.	Is gas actually connected?	When
	0	24	22S	26E	No	5-15-80 3-20-80

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

IV. COMPLETION DATA

Designate Type of Completion - (X)	Oil Well <input checked="" type="checkbox"/>	Gas Well <input type="checkbox"/>	New Well <input checked="" type="checkbox"/>	Workover <input type="checkbox"/>	Deepen <input type="checkbox"/>	Plug Back <input type="checkbox"/>	Some Rest'.	Diff. Rest'.
Date Spudded 8-13-79	Date Compl. Ready to Prod. 9-15-79		Total Depth 4527		P.B.T.D. 4518			
Elevations (DF, RKB, RT, GR, etc.) 3181	Name of Producing Formation Delaware		Top Oil/Gas Pay 4461		Tubing Depth 4400			
Perforations 4461 - 4476 (26 holes) 4322 - 42 (81 holes)					Depth Casing Shoe 4518			

TUBING, CASING, AND CEMENTING RECORD

HOLE SIZE	CASING & TUBING SIZE	DEPTH SET	SACKS CEMENT
12 1/2	8 1/8	399'	400 sacks CMC.
7 7/8	5 1/2	4518'	500 sacks Tot 1420 CMC

V. TEST DATA AND REQUEST FOR ALLOWABLE OIL WELL

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

Date First New Oil Run To Surface 9-15-79	Date of Test 9-15-79	Producing Method (Flow, pump, gas lift, etc.) Pump	
Length of Test 24 hours	Tubing Pressure 30#	Casing Pressure 30#	Choke Size
Actual Prod. During Test 75 bbls.	Oil - Bbls. 18 bbls.	Water - Bbls. 57	Gas - MCF 75,000

GAS WELL

FIELD OFFICE
PLANTOR

AUG 20 1979

O. C. C.

ARTÉBIA, OFFICE

SUMMARY OF WORK AND RECORDS ON WELLS

DO NOT USE THIS FORM FOR WELLS WHICH ARE NOT PRODUCING OR ARE TO BE PRODUCED IN A DIFFERENT RESERVOIR.
USE THESE SECTIONS FOR WELLS WHICH ARE PRODUCING OR TO BE PRODUCED IN THE SAME RESERVOIR.

WELL NO. CAS. NO.

JOE DON COOK ✓

P.O. BOX 159, ROSWELL, NEW MEXICO 88201

WELL LETTER NO. 0 990 SECTION SOUTH LINE AND 1870 FEET FROM

EAST LINE, SECTION 24 TOWNSHIP 22-S RANGE 26-E

3181

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

NOTICE OF INTENT TO

SUMMARY OF WORK

REMEDIAL WORK
WELL REVISION
WELL ALTERATIONS

PLUG AND ABANDON
CHANGE PLANS

REMEDIAL WORK
COMMENCE DRILLING OPER.
CASING TEST AND CELESTHY JOB
OTHER

WELL TEST
WELL LOG
WELL PHOTO

SET SURFACE PIPE

File 1. Copy to be completed by operator. It clearly state all pertinent details, and give pertinent dates, including completion date.
SEE RULE 133.

RAN 399ft. of 8 5/8 in. Hls.

CIRCULATING 250 SACKS OF CLASS C CEMENT, 2% CALCLIDE

RAN TEMPERATURE SURVEY & FOUND CEMENT 150 FT. FROM SURFACE

RAN 1 INCH DOWN 150 FT. AND PUMPED 100 SACKS OF CLASS C CEMENT TO SURFACE.

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

Joe Don Cook

WELL OPERATOR

DATE AUGUST 15, 1979

For Record Only

REVISIONS OF APPROVAL, IF ANY:

Table with multiple columns and rows, likely a log or data table.

FILE _____
 U.S.G.S. _____
 LAND OFFICE _____
 OPERATOR _____

SEP 4 1979

O. C. C.
 ARTEBIA, OFFICE

Oil and Gas Lease
 Date _____
 Lease No. _____

SUNDRY NOTICES AND REPORTS ON WELLS

DO NOT USE THIS FORM FOR REPORTING ON THE PRODUCTION OF DIFFERENT RESERVOIRS.
 USE SEPARATE FORMS FOR EACH RESERVOIR (SEE INSTRUCTIONS)

1. OIL WELL GAS WELL
 2. Name of Operator **JOE DON COOK** ✓
 3. Address of Operator **P.O. BOX 159, ROSWELL, NEW MEXICO 88201**
 4. Location of Well
 UNIT LETTER **0** FEET FROM THE **990** **SOUTH** LINE AND **1870** FEET FROM
EAST LINE, SECTION **24** TOWNSHIP **22-S** RANGE **26-E** RANGE
 5. Elevation (Show whether DF, RT, GR, etc.)
3181

7. Date of Report _____
 8. Name of Well **LIBERTAD**
 9. Name of Operator **J. DON COOK**
 10. Name of Landowner **B. GARDENHARD-DELAWA**
 11. Name of Lessee **EDDY**

16. Check Appropriate Box To Indicate Nature of Notice, Report or Other Data
 NOTICE OF INTENTION TO: SUBSEQUENT PLANNED WORK

PERFORM REMEDIAL WORK <input type="checkbox"/>	PLUG AND ABANDON <input type="checkbox"/>	REMEDIAL WORK <input type="checkbox"/>	RENTING OF WELL <input type="checkbox"/>
TEMPORARILY ABANDON <input type="checkbox"/>	CHANGE PLANS <input type="checkbox"/>	COMMENCE DRILLING OPER. <input type="checkbox"/>	REENTERED ABANDONMENT <input type="checkbox"/>
PULL OR ALTER CASING <input type="checkbox"/>	OTHER <input type="checkbox"/>	CASING TEST AND CEMENT JOB <input type="checkbox"/>	

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

RIGGING DOWN, RAN 4527 ft. 5½ CASING-SET AT 4527 ft. CEMENTED WITH 500 SACKS-HALLIBURTON LITE AND 200 SACKS 50-50 POZ. PLUG DOWN AT 8:30 a.m. 8-26-79. TCC @ 1420 Bond Log

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

SIGNED Joe Don Cook TITLE OPERATOR
 APPROVED BY W. A. Gussert TITLE SUPERVISOR, DISTRICT II

NOV 9 1979

SECTION V

AREA MAP

CARLSBAD

Grid of property parcels with owner names, addresses, and lot numbers. Includes labels for 'CARLSBAD AIRPORT' and 'TER SPRING UT. STEVENS (OPER)'.

Ameco 8-18-88
8-28-88
8-28-88
var. fr.

Ameco 8-18-88
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var. fr.

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Ameco 8-18-88
8-28-88
8-28-88
var. fr.

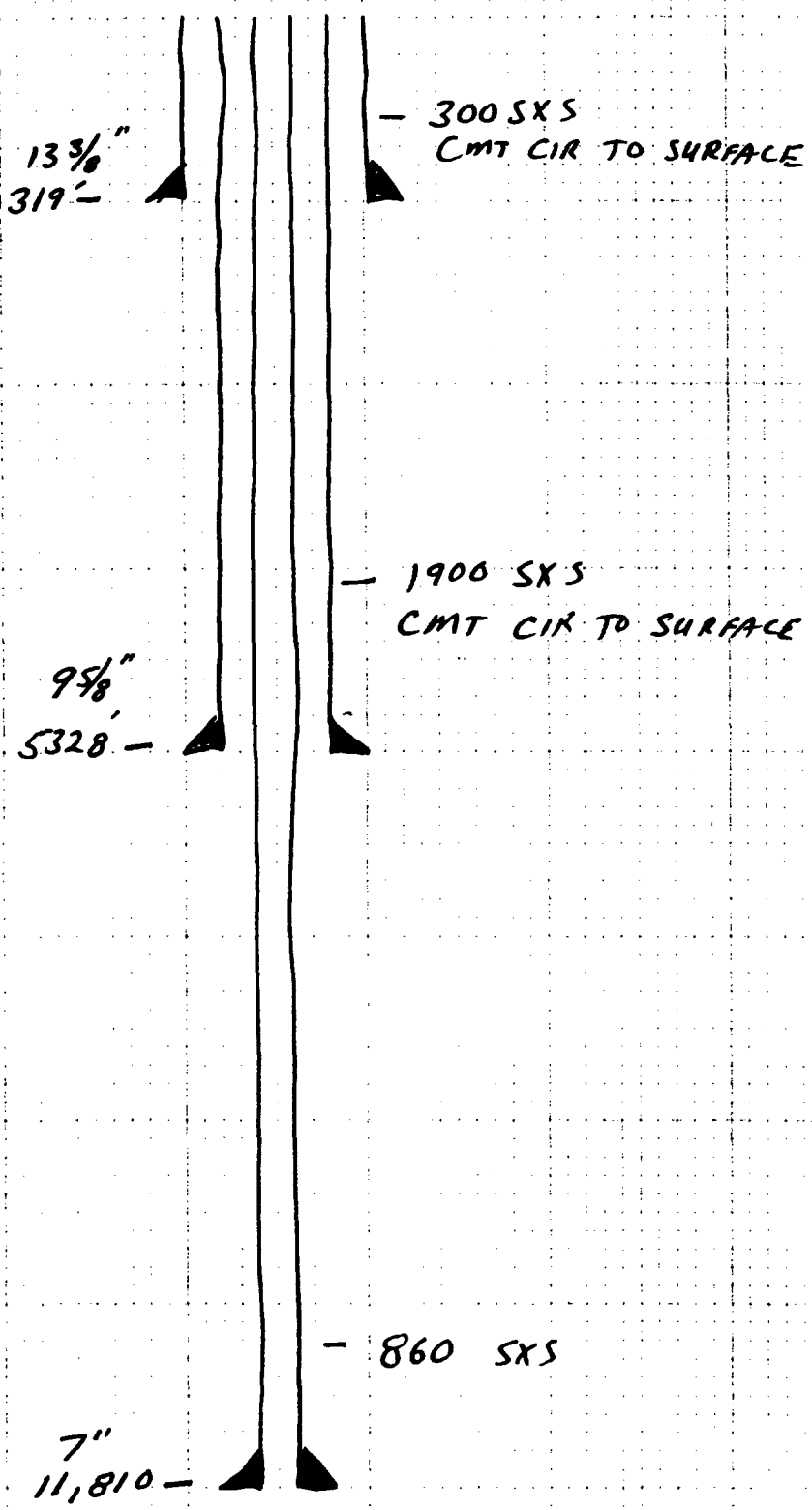
Ameco 8-18-88
8-28-88
8-28-88
var. fr.

<p>10 Gulf HBU 064490 A.R.Co.,etal</p> <p>U.S.</p>	<p>11 Mesa, etal 6-1-87 30394</p> <p>Kaiser Francis 11-17-75</p> <p>C.E. Spinnier</p>	<p>12 Gulf HBU 064490 A.R.Co.,etal</p> <p>U.S.</p>	<p>13 Gulf HBU 064490 A.R.Co.,etal</p> <p>U.S.</p>	<p>14 Gulf HBU 064490 A.R.Co.,etal</p> <p>U.S.</p>	<p>15 6. E. Spinnier (I) U.S.</p>	<p>16 Amoco U.S. 8476 State</p>	<p>17 Gulf HBU 064490 A.R.Co.,etal</p> <p>U.S.</p>	<p>18 Gulf HBU 064490 A.R.Co.,etal</p> <p>U.S.</p>	<p>19 Gulf HBU 064490 A.R.Co.,etal</p> <p>U.S.</p>	<p>20 Gulf HBU 064490 A.R.Co.,etal</p> <p>U.S.</p>	<p>21 Gulf HBU 064490 A.R.Co.,etal</p> <p>U.S.</p>	<p>22 Exxon 7-21-90 5-7-90 5-26-88</p> <p>T.A. Allen,etal</p>	<p>23 Exxon 7-21-90 5-7-90 5-26-88</p> <p>T.A. Allen,etal</p>	<p>24 Exxon 7-21-90 5-7-90 5-26-88</p> <p>T.A. Allen,etal</p>	<p>25 Gulf HBU K-675 4.451 State</p> <p>Gulf HBU K-675 4.451 State</p>	<p>26 Gulf HBU K-675 4.451 State</p> <p>Gulf HBU K-675 4.451 State</p>	<p>27 Gulf HBU K-675 4.451 State</p> <p>Gulf HBU K-675 4.451 State</p>	<p>28 Gulf HBU K-675 4.451 State</p> <p>Gulf HBU K-675 4.451 State</p>	<p>29 Gulf HBU K-675 4.451 State</p> <p>Gulf HBU K-675 4.451 State</p>	<p>30 Gulf HBU K-675 4.451 State</p> <p>Gulf HBU K-675 4.451 State</p>	<p>31 Gulf HBU K-675 4.451 State</p> <p>Gulf HBU K-675 4.451 State</p>	<p>32 Gulf HBU K-675 4.451 State</p> <p>Gulf HBU K-675 4.451 State</p>	<p>33 Gulf HBU K-675 4.451 State</p> <p>Gulf HBU K-675 4.451 State</p>	<p>34 Gulf HBU K-675 4.451 State</p> <p>Gulf HBU K-675 4.451 State</p>	<p>35 Gulf HBU K-675 4.451 State</p> <p>Gulf HBU K-675 4.451 State</p>	<p>36 Gulf HBU K-675 4.451 State</p> <p>Gulf HBU K-675 4.451 State</p>	<p>37 Gulf HBU K-675 4.451 State</p> <p>Gulf HBU K-675 4.451 State</p>	<p>38 Gulf HBU K-675 4.451 State</p> <p>Gulf HBU K-675 4.451 State</p>	<p>39 Gulf HBU K-675 4.451 State</p> <p>Gulf HBU K-675 4.451 State</p>	<p>40 Gulf HBU K-675 4.451 State</p> <p>Gulf HBU K-675 4.451 State</p>	<p>41 Gulf HBU K-675 4.451 State</p> <p>Gulf HBU K-675 4.451 State</p>	<p>42 Gulf HBU K-675 4.451 State</p> <p>Gulf HBU K-675 4.451 State</p>	<p>43 Gulf HBU K-675 4.451 State</p> <p>Gulf HBU K-675 4.451 State</p>	<p>44 Gulf HBU K-675 4.451 State</p> <p>Gulf HBU K-675 4.451 State</p>	<p>45 Gulf HBU K-675 4.451 State</p> <p>Gulf HBU K-675 4.451 State</p>	<p>46 Gulf HBU K-675 4.451 State</p> <p>Gulf HBU K-675 4.451 State</p>	<p>47 Gulf HBU K-675 4.451 State</p> <p>Gulf HBU K-675 4.451 State</p>	<p>48 Gulf HBU K-675 4.451 State</p> <p>Gulf HBU K-675 4.451 State</p>	<p>49 Gulf HBU K-675 4.451 State</p> <p>Gulf HBU K-675 4.451 State</p>	<p>50 Gulf HBU K-675 4.451 State</p> <p>Gulf HBU K-675 4.451 State</p>
--	---	--	--	--	---	---	--	--	--	--	--	---	---	---	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

SECTION VI

TABULATION OF WELL DATA

Go Po Go No 2
GRACE ENERGY CO.
1980 FNL & 1980 FEL
SEC 24-7225-R26E



SPUD - 6-29-71
TD - 12,012
TYPE - GAS
FORMATION - MORROW
COMP - 11,382-11,482

SANTA FE
FILE
U.S.G.S.
LAND OFFICE
OPERATOR

NEW MEXICO CONSERVATION COMMISSION
WELL COMPLETION AND RECOMPLETION REPORT AND LOG

1a. TYPE OF WELL OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> DRY <input type="checkbox"/> OTHER _____		7. Unit Agreement Name	
b. TYPE OF COMPLETION NEW WELL <input type="checkbox"/> WORK OVER <input type="checkbox"/> DEEPEN <input type="checkbox"/> PLUG BACK <input type="checkbox"/> DIFF. RESVR. <input type="checkbox"/> OTHER _____		8. Name of Lease Name GoPoGo	
2. Name of Operator Corinne Grace GRACE ENERGY CO.		9. Well No. 2	
3. Address of Operator P. O. Box ²⁰⁷ 1110 Carlsbad, New Mexico		10. Field and Pool, or Wildcat Wildcat	
4. Location of Well UNIT LETTER <u>G</u> LOCATED <u>1980</u> FEET FROM THE <u>North</u> <u>1980</u> FEET FROM <u>East</u> <u>24</u> <u>22S</u> <u>26E</u>		11. County Edgy	
15. Date Spudded 6/29/71	16. Date T.D. Reached 8/27/72	17. Date Compl. (Ready to Prod.) Sept. 23, 1972	18. Elevation (If RKB, RT, GR, etc.) 3102 GR
19. Elev. Casinghead	20. Total Depth 12,012		21. Plug Depth 11,765
22. If Multiple Compl., How Many		23. Interval Drilled By T.D.	24. Retort Tools 2300 (cave-in)
24. Producing Interval(s), of this completion - Top, Bottom, Name 11382-11482			25. Was Directional Survey Made yes
26. Type Electric and Other Logs Run BHC Acoustilog, Gamma Ray/Neutron, Micro-Laterolog, Laterolog			27. Was Well Corred NO
28. CASING RECORD (Report all strings set in well)			
CASING SIZE	WEIGHT LB./FT.	DEPTH SET	HOLE SIZE
13 3/8	48#	319	17 1/2
9 5/8	40# & 36#	5328	12 1/4
7	29#, 26#, 23#	11810	8 1/4
CEMENTING RECORD		AMOUNT PULLED	
200lt. wt. & 100 Cl. #		circuit.	
1500 Tri. Lt. wt. & 100 Cl. #		circuit.	
1st stg. 460 Cl. # & 2nd stg. 400 Halliburton lt. wt.			
29. LINER RECORD		30. TUBING RECORD	
SIZE	TOP	BOTTOM	SACKS CEMENT
SIZE	DEPTH SET	PACKER SET	
2 7/8	11,366	11,366	
31. Performance Record (Rate, shots) and number		32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.	
11385-11411 (17 shots)	11454-60 (4spf)	DEPTH INTERVAL	
11394-11404 (41 shots)	11480-82 (4spf)	None	
11382-11394 (49 shots)	11454-11460 (4spf)	AMOUNT AND KIND MATERIAL USED	
11382-11394 (48 shots)	11382-11394 (4spf)	None	
11424-11434 (4spf)			
33. PRODUCTION			
Date First Production	Production Method (Flowing, gas lift, pumping - Size and type pump)		Well Status (Prod. or Shut-in)
			Shut-in
Date of Test	Hours Tested	Flow Rate	Prodn. For Test Period
9/23/72	7	variable	
Flow Tubing Press.	Casing Pressure	Oil - Bbl.	Gas - MCF * Water - Bbl.
3231	PKR	0	811.75 0
34. Disposition of Gas (Sold, used for fuel, vented, etc.)		Test Witnessed By	
To be sold		CACF 54,263 MCFPD Inconclusive test	
35. List of Attachments above logs			
36. I hereby certify that the information herein is true and correct to the best of my knowledge and belief.			
SIGNED	Agent		DATE
<i>Janita L. [Signature]</i>			Oct. 10, 1972

GRACE-ATLANTIC No 1

GRACE ENERGY Co.
1980 FSL & 1980 FEL
SEC 24-7225-R26E

13 7/8"
356 -

- 375 SXS
CMT CIR TO SURFACE

SPUD 1-28-73
TD 11,772
TYPE GAS
FORMATION MORROW
COMP 11424-11444

9 5/8"
5402

- 1650 SXS
CMT CIR TO SURFACE

7"
11768 -

- 500 SXS CMT

DISTRIBUTION		
SANTA FE		
FILE		
U.S.G.S.		
LAND OFFICE		
OPERATOR		

NEW MEXICO OIL CONSERVATION COMMISSION
WELL COMPLETION OR RECOMPLETION REPORT AND LOG

State Fee
5. State Oil & Gas Conservation

APR 2 1973

1. TYPE OF WELL
 a. TYPE OF COMPLETION: OIL WELL GAS WELL DRY **D.C.C.**
 NEW WELL WORK OVER DEEPEN PLUG BACK DIFF. RESVR. OTHER
ARTESIAN OFFICE

7. Unit Agreement Name

2. Name of Operator
~~Michael P. Grace II~~ **GRACE ENERGY Co**

8. Farm or Lease Name
Grace-Atlantic

3. Address of Operator
207
P. O. Box 1418, Carlsbad, New Mexico

9. Well No.
1

4. Location of Well
 UNIT LETTER **J** LOCATED **1980** FEET FROM THE **South** LINE AND **1980** FEET FROM
 THE **East** LINE OF SEC. **24** TWP. **22S** RGE. **26E** NMPM

10. Field and Pool, or Wildcat
South Carlsbad

12. County
Eddy

15. Date Spudded 1/28/73 **16. Date T.D. Reached** 3/11/73 **17. Date Compl. (Ready to Prod.)** 3/15/73 **18. Elevations (DF, RKB, RT, GR, etc.)** 3162 GR **19. Elev. Casinghead**

20. Total Depth 11,772 **21. Final Bore H.D.** 11,740 **22. If Multiple Compl., How Many** **23. Intervals Drilled By** Rotary Tools **0-TD** Cable Tools

24. Producing Interval(s), of this completion - Top, Bottom, Name
Narrow 11,240 - 4'

25. Was Directional Survey Made Yes

26. Type Electric and Other Logs Run
Laterolog, Micro-Laterolog, Gamma Ray Neutron, BHC Acoustilog

27. Was Well Cased No

28. CASING RECORD (Report all strings set in well)

CASING SIZE	WEIGHT LB./FT.	DEPTH SET	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED
13 3/8	61#	356	17 1/2	375 sks Class "C"	circ.
8 5/8	35 & 40#	1102	12 1/4	1250 sks Hal.lt. & 400 Class "C"	circ.
7	23#, 26#, 29#, 32#	11768	8 3/4	100 Hal.lt. & 400 Class "H"	

29. LINER RECORD

SIZE	TOP	BOTTOM	SACKS CEMENT	SCREEN

30. TUBING RECORD

SIZE	DEPTH SET	PACKER SET
4 1/2	11,000	11,000'

31. Perforation Record (Interval, size and number)
11,434 - 11,444 hspf

32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.

DEPTH INTERVAL	AMOUNT AND KIND MATERIAL USED
None	None

33. PRODUCTION

Date First Production _____ Production (Type of flowing, gas lift, pumping - Size and type pump) _____ Well Status (Prod. or Shut-in) **Shut in**

Date of Test **3/29/73** Hours Tested **4** Clockwise _____ Oil - Bbl. _____ Gas - MCF _____ Water - Bbl. _____ Gas - Oil Ratio **Dry Gas**

Flow Tubing From **2473** Casing Pressure **pkr.** Oil - Bbl. _____ Gas - MCF **65,737** Water - Bbl. _____ Oil Gravity - API (Corr.) _____

34. Disposition of Gas (Sold, used for lift, vented, etc.) **To be sold** **CAOF 65,737** Test Witnessed By _____

35. List of All Comments
All logs listed above

36. I hereby certify that the information furnished on this form is true and complete to the best of my knowledge and belief.

SIGNED *[Signature]* TITLE **Agent** DATE **April 2, 1973**

9 5/8
351 -

150 SXS
CMT CIR TO SURFACE

325 SXS
CMT TOP 2400'
BY TEMP SURVEY

5 1/2
4518 -

JFG
KUKLAH BABY No 1
2310 FNL & 1650 FEL
SEC 24 - T 22S - R 26E

SPUD 6-18-75
TD 4561
TYPE OIL WELL
FORMATION BRUSHY CANYON
COMP 4446-4469

DISTRIBUTION

SANTA FE	
FILE	
U.S.G.S.	
LAND OFFICE	
OPERATOR	

NEW MEXICO OIL CONSERVATION COMMISSION
WELL COMPLETION OR RECOMPLETION REPORT AND LOG

JAN - 4 1980

5a. Indicate Type of Lease
State Fee

5. State Oil & Gas Lease No.

7. Unit Agreement Name

8. Farm or Lease Name
Kuklah Baby

9. Well No.
1

10. Field and Foot, or Well in
South Carlsbad Delaware

10. TYPE OF WELL
OIL WELL GAS WELL DRY OTHER

ARTESIA, OFFICE

b. TYPE OF COMPLETION
NEW WELL WORK OVER DEEPEN PLUG BACK DIFF. RESVR. OTHER

2. Name of Operator
JFG ENTERPRISES

3. Address of Operator
Box 100, Artesia, New Mexico 88210

4. Location of Well
UNIT LETTER G LOCATED 2310 FEET FROM THE North LINE AND 1650 FEET FROM

THE East LINE OF SEC. 24 T12P. 22 S RGE. 26 E NMPM Eddy

15. Date Spudded 6-18-75
16. Date Test Conducted 7-4-75
17. Date Compl. (Ready to Prod.) 8-3-79
18. Elevations (DF, RKB, RT, GR, etc.) 3185 GR
19. Elev. Casinghead 3186.5

20. Total Depth 4561'
21. Plug Back T.D. 4518'
22. If Multiple Compl., How Many
23. Intervals Drilled By Rotary Tools Rotary Cable Tools

24. Producing Interval(s), of this completion - Top, Bottom, Name
4446' - 4469' - Delaware
25. Was Directional Survey Made

26. Type Electric and Other Logs Run
Laterolog
27. Was Well Cased No

28. CASING RECORD (Report all strings set in well)

CASING SIZE	WEIGHT L.B. FT.	DEPTH SET	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED
9 5/8"	40#	351.40'	12 1/4	150 sks	0
5 1/2"	17#	39.63'	7 7/8	325 sks	0
5 1/2"	15.5#	4427.73'	7 7/8	"	0
5 1/2"	17#	93.64'	7 7/8	"	0

29. LINER RECORD

SIZE	TOP	BOTTOM	SACKS CEMENT	SCREEN	SIZE	DEPTH SET	PACKER SET
					2 3/8"	4431.10'	

30. TUBING RECORD

31. Perforation Record (Interval, size and number)
4446'-4469' - 2 shots per foot.

32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.

DEPTH INTERVAL	AMOUNT AND KIND MATERIAL USED
4446-4469	5980 gal gelled oil, 300# K-34, 3600# 20/40 sand, 3200# 10/20 sand

33. PRODUCTION

Date First Production 10-6-79
Production Method (Flowing, gas lift, pumping - Size and type pump) Pumping
Well Status (Prod. or Shut-in) Producing

Date of Test	Hours Tested	Choke Size	Prod'n. For Test Period	Oil - Bbl.	Gas - MCF	Water - Bbl.	Gas - Oil Ratio
12-20-79	24 hrs.	0		3	0	55	TSTM

Flow Tubing Press.	Casing Pressure	Calculated 24-Hour Rate	Oil - Bbl.	Gas - MCF	Water - Bbl.	Oil Gravity - API (Corr.)
0	0		3	0	55	40.0

34. Disposition of Gas (Sold, used for fuel, vented, etc.)
Vented
Test Witnessed By J. T. Jackson

35. List of Attachments
Laterolog

36. I hereby certify that the information furnished on this report is true and complete to the best of my knowledge and belief.

SIGNED J. T. Jackson TITLE Agent DATE 1-2-80

8 7/8
375'

250 SXS
CMT CIR TO SURFACE

450 SXS
CMT TOP 1700'

5 1/2
4518'

JFG
MERLAND No 1
2030 FSL 1846 FEL
SEC 24 - T22S - R26E

SP40 1-24-74
TD 4518
TYPE OIL WELL
FORMATION BRUSHY CANYON
COMP 4454-4464

NEW MEXICO OIL CONSERVATION COMMISSION
WELL COMPLETION OR RECOMPLETION REPORT AND LOG

State
State Oil & Gas Lease No.

RECEIVED

FILE
U.S.G.S.
LAND OFFICE
OPERATOR

10. TYPE OF WELL FEB 28 1974

b. TYPE OF COMPLETION
OIL WELL GAS WELL DRY OTHER
NEW WELL WORK OVER DEEPEN PLUG BACK DIFF. RESVR. OTHER
O.C.C. ARTERIAL OFFICE

2. Name of Operator
D. L. Hannifin and Joe Don Cook ✓ JFG

3. Address of Operator
P. O. Box 945, Roswell, New Mexico 88201

4. Location of Well
UNIT LETTER J LOCATED 2030 FEET FROM THE South LINE AND 1846 FEET FROM

THE East LINE OF SEC. 24 TWP. 22S RGE. 26E HMPM

7. Unit Agreement Name

8. Firm or Lease Name
Merland

9. Well No.
1

10. Field and Pool, or Wildcat
Wildcat

12. County
Eddy

15. Date Spudded 1-24-74 16. Date T.D. Reached 2-13-74 17. Date Compl. (Ready to Prod.) 2-26-74 18. Elevations (DF, RKB, RT, GR, etc.) 3174 Gr 19. Elev. Casinghead 3176

20. Total Depth 4518 21. Plug Back T.D. 4488 22. If Multiple Compl., How Many No 23. Intervals Drilled By Rotary Tools Cable Tools Total

24. Producing Interval(s), of this completion - Top, Bottom, Name 4454-4464 Delaware 25. Was Directional Survey Made Yes

26. Type Electric and Other Logs Run Laterlog, BHC Acoustilog 27. Was Well Cored No

28. CASING RECORD (Report all strings set in well)

CASING SIZE	WEIGHT LB./FT.	DEPTH SET	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED
8 5/8	20	375	12 1/4	250 sks	
5 1/2	15.5	4518	7 7/8	450 sks	

29. LINER RECORD 30. TUBING RECORD

SIZE	TOP	BOTTOM	SACKS CEMENT	SCREEN	SIZE	DEPTH SET	PACKER SET
					2 3/8	4375	

31. Perforation Record (Interval, size and number)
4454-26 45 PF
4458-64

32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.
DEPTH INTERVAL AMOUNT AND KIND MATERIAL USED
4454-4464 500 gal mud acid

33. PRODUCTION

Date First Production 2-25-74 Production Method (Flowing, gas lift, pumping - Size and type pump) Flowing Well Status (Prod. or Shut-in) Producing

Date of Test 2-26-74 Hours Tested 5 hrs Choke Size 16/64 Prod'n. For Test Period 38 BO Oil - Bbl. 145 MCF Gas - MCF 145 MCFPD Water - Bbl. None Gas - Oil Ratio 3000

Flow Tubing Press. 400 Casing Pressure 550 Calculated 24-Hour Rate 182.4 Oil - Bbl. 145 Gas - MCF 145 Water - Bbl. None Oil Gravity - API (Corr.) 42.5

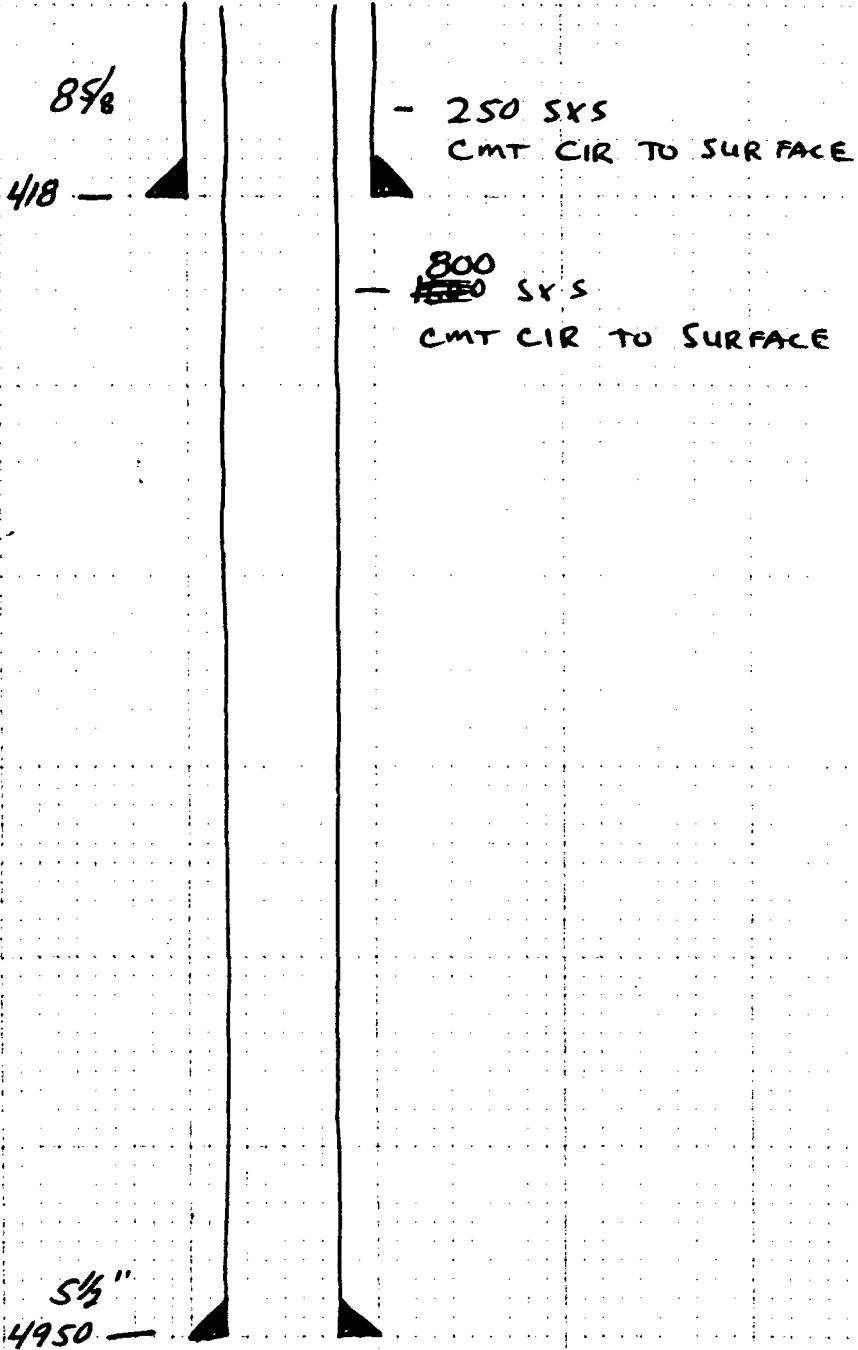
34. Disposition of Gas (Sold, used for fuel, vented, etc.) Flared Test Witnessed By Marshall Morris John W. Neeld

35. List of Attachments Wellhead, Separator, 500 Barrel Tank

36. I hereby certify that the information shown on both sides of this form is true and complete to the best of my knowledge and belief.

SIGNED [Signature] TITLE [Signature] DATE 2-28-74

RAY WESTALL
BASEBALL PARK NO. 1
1980 FSL & 660 FEL
SEC 24-7225-R26E



SPUD 12-15-84
TD 4950
TYPE OIL WELL
FORMATION CHERRY CANYON &
BRUSHY CANYON
COMP 3152-60 4052-68
4660-90

DISTRIBUTION	
SANTA FE	<input checked="" type="checkbox"/>
FILE	<input checked="" type="checkbox"/>
U.S.O.S.	<input checked="" type="checkbox"/>
LAND OFFICE	
OPERATOR	<i>Bjrn</i>

P. O. BOX 2088
FEBRUARY 22, 1985
 NEW MEXICO 87501
 WELL COMPLETION OR RECOMPLETION REPORT AND LOG
 ARTESIA, OFFICE

State Fee
 5. State Oil & Gas Lease No.

10. TYPE OF WELL
 OIL WELL GAS WELL DRY OTHER _____
 b. TYPE OF COMPLETION
 NEW WELL WORK OVER DEEPEN PLUG BACK DIFF. REVEN. OTHER _____

7. Unit Agreement Name
 8. Form or Lease Name
Baseball Park

2. Name of Operator
Ray Westall

3. Address of Operator
P.O. Box 4 Loco Hills, New Mexico 88255

4. Location of Well
 UNIT LETTER **1** LOCATED **1930** FEET FROM THE **South** LINE AND **660** FEET FROM

9. Well No.
1
 10. Field and Pool, or Wildcat
S. Carlsbad Delaware
 12. County
Eddy

15. Date Spudded **12-15-84** 16. Date T.D. Reached **12-30-84** 17. Date Compl. (Ready to Prod.) **2-16-85** 18. Elevations (DF, RKB, RT, GR, etc.) **3169. GR**

20. Total Depth **4950'** 21. Plug Back T.D. **3500'** 22. If Multiple Compl., How Many _____
 23. Intervals Drilled By: Rotary Tools Cable Tools _____

19. Elev. Casinghead
 25. Was Directional Survey Made
Yes

24. Producing Interval(s), of this completion -- Top, Bottom, Name
2370-4185 Delaware

27. Was Well Cased
No

26. Type Electric and Other Logs Run
DDL-MSFL, CNL, Computer Processed Log

28. CASING RECORD (Report all strings set in well)

CASING SIZE	WEIGHT LB./FT.	DEPTH SET	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED
8 5/8"	24#	418'	10"	250 SXS	
5 1/2"	17#	4950'	7 7/8"	800 sxs-circulated	

29. LINER RECORD 30. TUBING RECORD

SIZE	TOP	BOTTOM	SACKS CEMENT	SCREEN	SIZE	DEPTH SET	PACKER SET
					2 3/8"	3200'	

31. Perforation Record (Interval, size and number) 32. ACID, SMOI, FRACTURE, CEMENT SQUEEZE, ETC.

INTERVAL	AMOUNT AND KIND MATERIAL USED
4052-54-56-61-63, 4660-62-64-66-88-90 (11 holes)	Acidized w/1000 gal. 15% acid frac'd w/foam, 18000# 20/40 sand
3152-60, 3156-60 (14 holes)	Acidized w/1000 gal. 15% acid frac'd w/foam, 18000# 20/40 sand

33. PRODUCTION

Date First Production **2-16-85** Production Method (*Flowing, gas lift, pumping -- Size and type pump*) **Pumping** Well Status (*Prod. or Shut-in*) **Producing**

Date of Test **2-17-85** Flow Tubing Press. _____ Casing Pressure _____

Oil - Bbl. **80** Gas - MCF **TSTM** Water - Bbl. **100** Oil Gravity - API (Corr.) _____

34. Disposition of this report _____

35. List of Attachments
Logs & Deviation Survey

36. I hereby certify that the information given on this report is true and complete to the best of my knowledge and belief.

SIGNED *Ray Westall* TITLE **Operator** DATE **2-22-85**

RAY WESTALL
BASEBALL PARK NO. 2
990 FSL & 660 FEL
SEC 24 - T 22S - R 26E

8 7/8"
400'

— 250 SXS
CMT CIR TO SURFACE

SPUD - 4-2-85
TD - 4600
TYPE - OIL WELL
FORMATION - BRUSHY CANYON
COMP - 4230-4256

1600 SXS
CMT CIR TO SURFACE

5 1/2"
4600'

DISTRIBUTION
 SANTA FE
 FILE
 U.S.G.S.
 LAND OFFICE
 OPERATOR

MAY 6 1985
 SANTA FE, NEW MEXICO 87501
 WELL COMPLETION OR RECOMPLETION REPORT AND LOG
 ARIESIA, OFFICE

State []
 5. State Oil & Gas Lease No.

1a. TYPE OF WELL **045W**
 OIL WELL GAS WELL DRY OTHER
 b. TYPE OF COMPLETION
 NEW WELL WORK OVER DEEPEN
 PLUG BACK DIFF. RESRV. OTHER

7. Unit Agreement Name
 8. Firm or Lease Name
Baseball Park

2. Name of Operator
Ray Westall
 3. Address of Operator
Box 4, Loco Hills, New Mexico 88255
 4. Location of Well
S. Carlsbad Delaware

9. Well No.
2
 10. Field and Pool, or Wildcat
S. Carlsbad Delaware

UNIT LETTER **P** LOCATED **990** FEET FROM THE **FSL** LINE AND **660** FEET FROM
 THE East LINE OF SEC. **24** TWP. **22S** RGE. **26E** NMPM
 12. County
Eddy

15. Date Spudded **4-2-85** 16. Date T.D. Reached **4-12-85** 17. Date Compl. (Ready to Prod.) **5-1-85** 18. Elevations (DF, RKB, RT, GR, etc.) **3168** 19. Elev. Casinghead **3169'**

20. Total Depth **4600** 21. Plug Back **4590** 22. If Multiple Compl., How Many **1** 23. Intervals Drilled By Rotary Tools Cable Tools

24. Producing Interval(s), of this completion (Top, Bottom, Zone)
4230 to 4256 4 shots per foot
 25. Was Directional Survey Made
Yes

26. Type Electric and Other Log(s) Run
Densilog Neutron Gamma Ray, Dual Laterog Micro Laterolog Gamma Ray
 27. Was Well Cased
No

28. CASING RECORD (Report all strings set in well)

CASING SIZE	WEIGHT LB. FT.	DEPTH SET	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED
8 5/8	24#	400'	12 1/4"	250 sx Class C	Circulated
5 1/2	17#	4600'	7 7/8"	700 sx Pacesetter Lite 900 sx Class C	
1" with 250 sx Pacesetter Lite Circulate					

29. LIFT RECORD

SIZE	TOP	BOTTOM	SACKS CEMENT	SCREEN	SIZE	DEPTH SET	PACKER SET
					2 3/8"	4310'	

31. Perforation Record (Interval, size and number)
4230' to 4256' 4 shots per foot 135 holes

32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.

DEPTH INTERVAL	AMOUNT AND KIND MATERIAL USED
4230' to 4256'	Acidized w/2000 gal 15% MSR frac'd w 60,000 gal Mini Max 3 180,000# 12-20 sand

33. PRODUCTION

Date First Production **5-1-84** Production Method (Flowing, gas lift, pumping - Size and type pump) **Pumping** Well Status (Prod. or Shut-in) **Producing**

Date of Test **5-3-85** Hours Tested **24** Choke Size **24** Prod'n. For Test Period **40** Oil - Bbl. **40** Gas - MCF **250** Water - Bbl. **250** Gas-Oil Ratio

Flow Tubing Press. Casing Pressure **24** Oil - Bbl. **40** Gas - MCF **250** Water - Bbl. **250** Oil Gravity - API (Corr.)

34. Disposition of Gas (Sold, used for fuel, vented, etc.)
 Test Witnessed By

35. List of Attachments
Logs and Deviation

36. I hereby certify that the information furnished on this form is true and complete to the best of my knowledge and belief.

SIGNED **[Signature]** TITLE **Operator** DATE **5-3-85**

8 1/2"
475'

CMT 250 SKS
CMT TO SURFACE

- 925 SKS CMT
CMT TOP @ 400'
TEMP SURVEY

5 1/2"
4520'

RAY WESTALL
BASE BALL PARK No 3
2104' FSL & 2219' FWL
SEC 24-TLS-R 26E

SPUD - 4-14-86
TD - 4520'
FORMATION - BRUSHY
CANYON
PERF - 444-4465
STATUS - T/A

DATE RECEIVED	
DISTRIBUTION	
SANTA FE	<input checked="" type="checkbox"/>
FILE	<input checked="" type="checkbox"/>
U.S.O.B.	
LAND OFFICE	
OPERATOR	

OIL CONSERVATION DIVISION

RECEIVED BY BOB 2088
SANTA FE, NEW MEXICO 87501

Form O-101
Revised 10-1-

MAY 02 1986

O. C. D.
ARTESIA, OFFICE

10. Indicate type of lease
State Fed

11. State Oil & Gas Lease No.

SUNDRY NOTICES AND REPORTS ON WELLS

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

1. OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/>	7. Unit Agreement No.
2. Name of Operator Ray Westall	8. Farm or Lease Name Baseball Park
3. Address of Operator P.O. Box 4 Loco Hills, New Mexico 88255	9. Well No. 3
4. Location of Well UNIT LETTER K 2104 FEET FROM THE South LINE AND 2218 FEET FROM THE West LINE, SECTION 24 TOWNSHIP 22S RANGE 26E N.M.P.M.	10. Field and Port, or Well No. Und. S. Carlsbad Delawa
11. Elevation (Show whether DF, RT, GR, etc.) 3177. GR	12. County Eddy

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

NOTICE OF INTENTION TO:

SUBSEQUENT REPORT OF:

PERFORM REMEDIAL WORK <input type="checkbox"/>	PLUG AND ABANDON <input type="checkbox"/>	REMEDIAL WORK <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
TEMPORARILY ABANDON <input type="checkbox"/>	CHANGE PLANS <input type="checkbox"/>	COMMENCE DRILLING OPNS. <input type="checkbox"/>	PLUG AND ABANDONMENT <input type="checkbox"/>
PULL OR ALTER CASING <input type="checkbox"/>	OTHER <input type="checkbox"/>	CASING TEST AND CEMENT JOB <input type="checkbox"/>	
OTHER _____		OTHER Spud, 8 5/8", TD, 5 1/2"	

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

4-14-86 Spud 12 1/4" hole @ 8:00 P.M.

4-15-86 Ran 12 jts. 412' of 8 5/8" 24# J-55 casing. Cemented @ 425' w/250 sxs Class "C" 25 C-01, 4# Cello-seal-did not circulate. Redi-mix w/2 yds. cement. Plug down 11:30 A.M. WOC & redi-mix. Nipple up BOP & test, 1800" ... 50 min. ball ...

4-23-86 T.D. 4520'. Ran 110 jts. 4538.53' 17# 5 1/2" casing. Set & cemented @ 4520' w/590 sxs P.S. Lite "C", 8# salt + 4# sx Hiseal, 2% AFS, 335 sxs 50-50 Poz C + 5# salt 4# sx Cello-seal. Plug down @ 2:55 P.M. 4-24-86

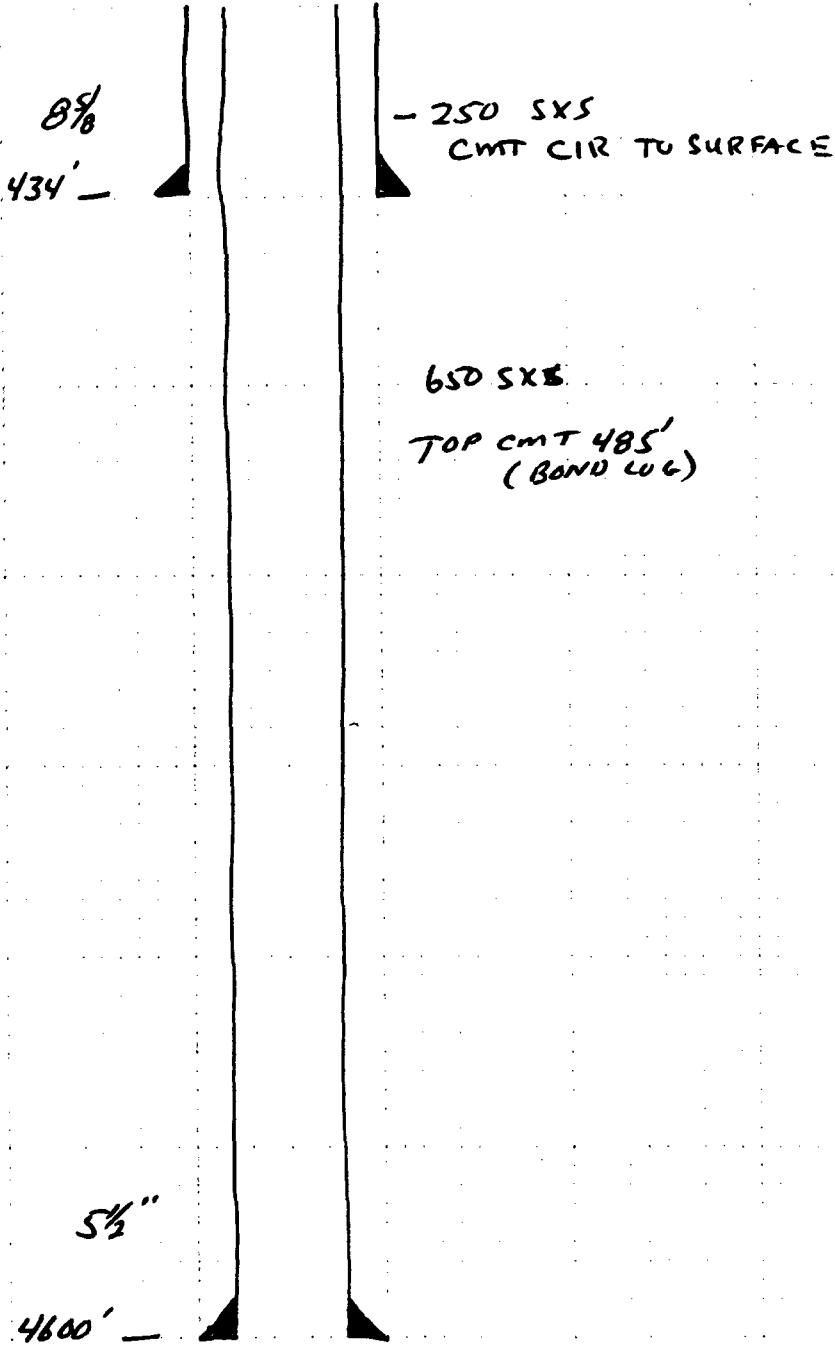
18. I hereby certify that the information above is true and complete to the best of my knowledge and belief.

SIGNED Ray Westall TITLE Operator DATE 4-30-86

APPROVED BY Mike Williams TITLE Oil & Gas Inspector DATE MAY 9 1986

CONDITIONS OF APPROVAL, IF ANY:

RAY WESTALL
BASEBALL PARK No. 4
2310 FNL & 660 FEL
SEC 24 - T22S - R 26E



SPUD - 4-25-86
TD - 4600'
TYPE - OIL WELL
FORMATION - ~~BRITAIN~~ CANYON
 CHERRY
COMP - 3150 - 3165

DISTRIBUTION
 SANTA FE
 FILE
 U.S.G.S.
 LAND OFFICE
 OPERATOR

RECEIVED BY
SEP 10 1986
 WELL COMPLETION OR RECOMPLETION REPORT AND LOG
 O. C. D.
 ARTESIA OFFICE

RECEIVED BY
SEP 19 1986
 COMPLETION REPORT AND LOG
 O. C. D.
 ARTESIA OFFICE

State Fee

10. TYPE OF WELL **Bot**

a. TYPE OF COMPLETION
 OIL WELL GAS WELL DRY OTHER _____
 NEW WELL WORK OVER DEEPEN PLUG BACK DIFF. RESVR. OTHER _____

7. Unit Agreement Name

8. Farm or Lease Name
Baseball Park

1. Name of Operator
Ray Westall

9. Well No.
4

17. Address of Operator
Box 4 Loco Hills, New Mexico 88255

10. Field and Pool, or Wildcat
Und. S. Carlsbad Delaware

11. Location of Well
 UNIT LETTER **H** LOCATED **2310** FEET FROM THE **North** LINE AND **660** FEET FROM

12. County
Eddy

LINE **East** LINE OF SEC. **24** TWP. **223** RGE **26E** NMPM

15. Date Spudded **4-25-86** 16. Date T.D. Reached **5-4-86** 17. Date Compl. (Ready to Prod.) **5-15-86** 18. Elevations (DF, RKB, RT, GK, etc.) **3150 GR** 19. Elev. Casinghead **3151'**

20. Total Depth **4600'** 21. Plug Back T.D. **4520'** 22. If Multiple Compl., How Many _____ 23. Intervals Drilled By: Rotary Tools _____ Cable Tools _____ **All**

24. Producing Interval(s), of this completion - Top, Bottom, Name
3150-65 Delaware

25. Was Directional Survey Made

26. Type Electric and Other Logs Run
Cement Bond, Densilog, Dual Laternolog

27. Was Well Cored
No

28. CASING RECORD (Report all strings set in well)

CASING SIZE	WEIGHT LB./FT.	DEPTH SET	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED
8 5/8"	24#	434'	12 1/4"	250 sxs circulate	
5 1/2"	17#	4600'	7 7/8"	650	

29. LINER RECORD

SIZE	TOP	BOTTOM	SACKS CEMENT	SCREEN

30. TUBING RECORD

SIZE	DEPTH SET	PACKER SET
2 3/8"	3300'	

31. Perforation Record (Interval, size and number)

3150-51-52-53-54
3160-61-62-63-64-65

32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.

DEPTH INTERVAL	AMOUNT AND KIND MATERIAL USED
3150-54	Acidized 1000 gal 15% NEFE 20,000 methanol foam frac
3160-65	Acidized 1000 gal 15% NEFE 20,000 gal methanol foam frac

33. PRODUCTION

Date First Production **5-15-86** Production Method (Flowing, gas lift, pumping - Size and type pump) **Pumping** Well Status (Prod. or Shut-in) **Producing**

Date of Test	Hours Tested	Choke Size	Prod'n. For Test Period	Oil - Bbl.	Gas - MCF	Water - Bbl.	Gas - Oil Ratio
5-17-86	24			35	10	65	

Flow Tubing Press. _____ Casing Pressure _____ Calculated 24 Hour Rate _____ Oil - Bbl. _____ Gas - MCF _____ Water - Bbl. _____ Oil Gravity - API (Corr.) _____

34. Disposition of Gas (Sold, used for fuel, vented, etc.)
Vented Test Witnessed By _____

35. List of Attachments
Logs & Deviation Survey

I hereby certify that the information shown on both sides of this form is true and complete to the best of my knowledge and belief.

SIGNED Ray Westall TITLE Operator DATE 9-8-86

CITIES SERVICE OIL
MERLAND "A" #2
1980 FSL # 660 FWL
SEC 19 - T2LS-R27E

- 500 SXS CMT
CIRCULATED TO SURFACE

- 900 SXS CMT
CIRCULATED TO SURFACE

SPUD 9-16-85
TD 4554
TYPE OIL WELL
FORMATION CHERRY CANYON
COMP 2769-2781

8 1/2"
597-

5 1/2" - 4553

SANTA FE
FILE
U.S.G.S.
LAND OFFICE
OPERATOR

NEW MEXICO OIL CONSERVATION COMMISSION
WELL COMPLETION OR RECOMPLETION REPORT AND LOG
NOV 26 1985
O.C.D.

5a. Indicate Type of Lease
State Lee
5. State Oil & Gas Lease No.
7. Unit Agreement Name
8. Part of Lease Name
9. Well No.
10. Field and Feet, or Grid
11. County

6. TYPE OF WELL
Oil Well Artesia Office Well Dry Other _____
b. TYPE OF COMPLETION
New Well Workover Drifted Plug Back Diff. Resrv. Other _____

3. Name of Operator
Cities Service Oil and Gas Corporation
4. Address of Operator
P.O. Box 1919 - Midland, Texas 79702
5. Location of Well
Unit Letter L LOCATED 1980 FEET FROM THE South LINE AND 660 FEET FROM West LINE OF SEC. 19 TWP. 22S RGE. 27E

12. Field and Feet, or Grid
Unders. Carlsbad-Delaware
South
Eddy
13. Date Spudded 9-16-85
14. Date E.O.B. Drilled 9-24-85
15. Date Compl. (Ready to Prod.) 11-21-85
16. Elevations (DT, RKB, RT, GR, etc.) 3165' GR
17. Elev. Casing Head 3165'
18. Total Depth 4554'
19. Flow Back T.B. 3085'
20. If Multiple Compl., How Many
21. Intervals Drilled By Rotary Tools Cable Tools
D - T.D. 4554'
22. Producing Interval(s), of this completion - Top, Bottom, Name
2769 - 2781' - Delaware
23. Was Directional Survey Made
No
24. Type Electric and Other Logs Run
CNL-LDT-GR, DLL-MSFL-Cal,, Deviation Survey, Dual Porosity Neutron
25. Was Well Cored
No

28. CASING RECORD (Report all strings set in well)

CASING SIZE	WEIGHT LB. FT.	DEPTH SET	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED
8-5/8"	24#	597'	12-1/4"	500 sacks	Circulated
5-1/2"	14#	4553'	7-7/8"	900 sacks	Circulated

29. LINER RECORD

SIZE	TOP	BOTTOM	SACKS CEMENT	SCREEN

30. TUBING RECORD

SIZE	DEPTH SET	PACKER SET
2-3/8"	2796'	---

31. Perforation Record (Interval, size and number)
4 SPF @ 2769, 71, 72, 74, 76, 77, 80 and 2781'
Total of 32 holes (0.50" dia & 12.27" pen)

32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.

DEPTH INTERVAL	AMOUNT AND KIND MATERIAL USED
2769 - 2781'	2000 gals MSR-100 acid + 17,500 gals YF3 PSD (crosslinked Polymer) + 48,000# 12/20 sand

3. PRODUCTION

4. Date First Production 10-09-85
Production Method (Flowing, gas lift, pumping - Size and type pump) Pumping - 2" x 1-1/2" x 16' - Insert
Well Status (Prod. or Shut-in) Producing

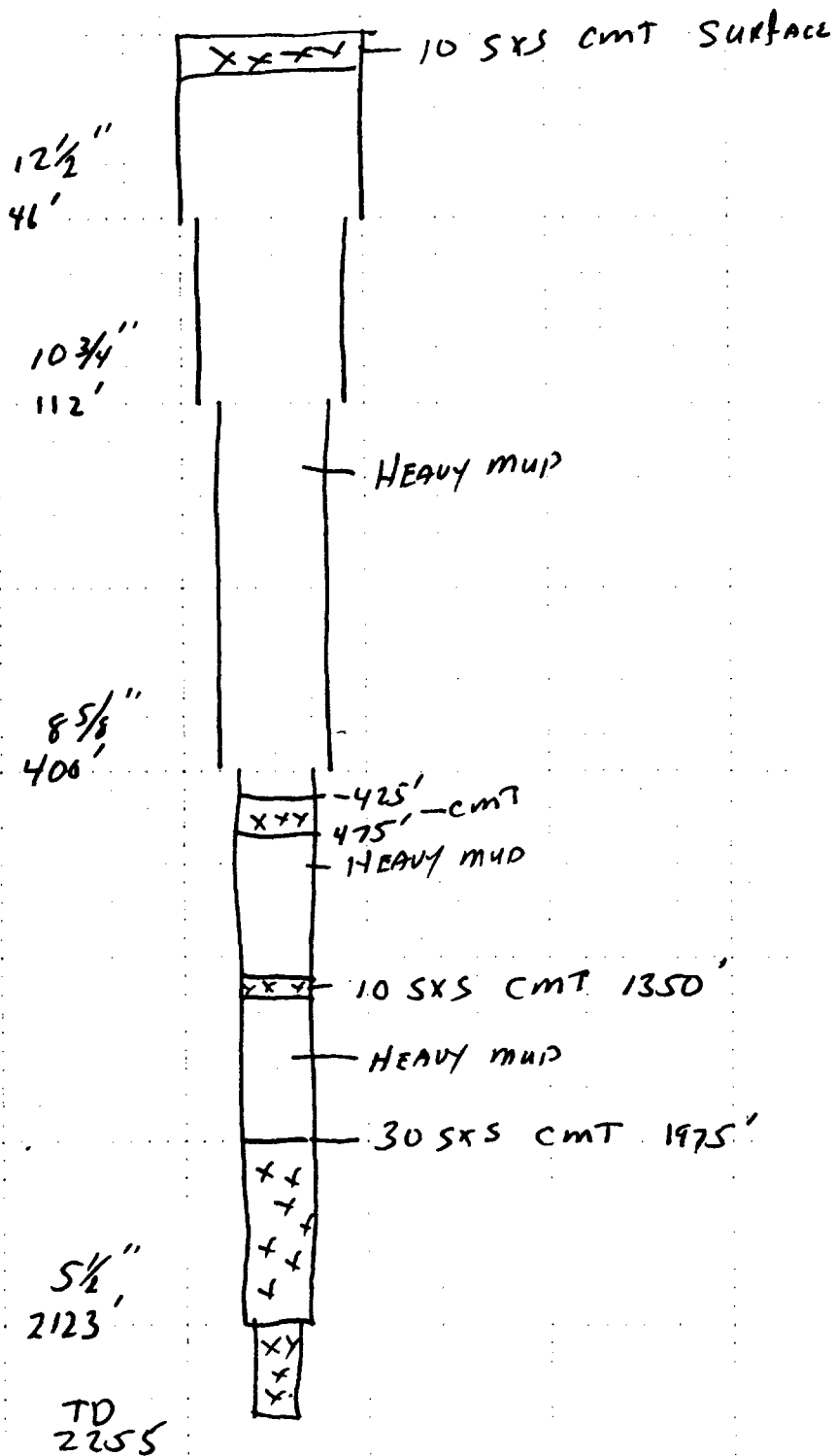
Date of Test	Hours Tested	Shut-in Time	Flowin. For Test Period	Oil - Bbl.	Gas - MCF	Water - Bbl.	Gas - Oil Ratio
11-21-85	24 hrs.			65	24	354	369

Flow Tubing Press.	Casing Pressure	Initial and 24-Hour Rate	Oil - Bbl.	Gas - MCF	Water - Bbl.	Oil Gravity - API (Corr.)
						42.50

5. Disposition of Gas (Sold, used for fuel, vented, etc.)
Vented
Test Witnessed By J. Gibson

6. List of Attachments
Above listed logs and Deviation Survey
I hereby certify that the information shown on both sides of this form is true and complete to the best of my knowledge and belief.

SIGNED [Signature] TITLE Region Petroleum Engineer DATE 11-25-85



JENKINS & McQUEEN
 YARBRO #1
 990 FNL, 1650 FEL
 SECTION 25-T225-R26E

SPUD 9-17-52
 TP 2255
 FORMATION CHERRY CANYON
 P & A 1952

NEW MEXICO OIL CONSERVATION COMMISSION

NOV 8 1952

MISCELLANEOUS REPORTS ON WELLS

Submit this report in triplicate to the Oil Conservation Commission District Office within ten days after the work specified is completed. It should be signed and filed as a report on beginning drilling operations, results of shooting well, results of test of casing shut off, result of plugging of well, and other important operations, even though the work was witnessed by an agent of the Commission. See additional instructions in the Rules and Regulations of the Commission.

Indicate nature of report by checking below

REPORT ON BEGINNING DRILLING OPERATIONS		REPORT ON REPAIRING WELL
REPORT ON RESULT OF SHOOTING OR CHEMICAL TREATMENT OF WELL		REPORT ON PULLING OR OTHERWISE ALTERING CASING
REPORT ON RESULT OF TEST OF CASING SHUT-OFF		REPORT ON DEEPENING WELL
REPORT ON RESULT OF PLUGGING OF WELL	<input checked="" type="checkbox"/>	

November 5, 1952, Oklahoma City, Oklahoma

Date

Place

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

Jenkins & McQueen

Yarbro

Well No. 1

In the

Company or Operator

Lease

SE NW NE

of Sec. 25

T. 22S

R. 26E

N. M. P. M.

Wildcat

Pool

Eddy

County.

The dates of this work were as follows: 10/29/52 - 10/31/52

Notice of intention to do the work was (was not) submitted on Form C-102 on _____, 19____ and approval of the proposed plan was (was not) obtained. (Cross out incorrect words.)

DETAILED ACCOUNT OF WORK DONE AND RESULTS OBTAINED

Hole plugged back to 1375' with 30 sax by Denton Oil Well Cementing Co. Hole filled to 1350' w/ heavy mud and 10 sax cement set by Denton Oil Well Cementing Co. Mudded to 475' and cemented from 475' to 425'. Mudded to top and cased w/ 10 sax and marker set

Witnessed by Glenn Yeater

Jenkins & McQueen

Driller

Name

Company

Title

APPROVED: OIL CONSERVATION COMMISSION

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

Name

Name

Position

Office Manager

Representing

Jenkins & McQueen

Address

Oklahoma City, Okla.

OIL AND GAS

NOV 11 1952

Date

WELL RECORD

Mail to District Office, Oil Conservation Commission, to which Form C-101 was sent not later than twenty days after completion of well. Follow instructions in Rules and Regulations of the Commission. Submit in QUINTUPPLICATE.

1/4 SECTION ACRES
LOCATED WELL CORRECTLY

Jenkins & McQueen
(Company or Operator)

Yarbro
(Lease)

Well No. **1** in **NW** 1/4 of **NE** 1/4, of Sec. **25**, T. **22 S**, R. **26 E**, NMPM.

Wildcat Pool, **Eddy** County.

Well is **990** feet from **north** line and **1,650** feet from **east** line

of Section **25**. If State Land the Oil and Gas Lease No. is.....

Drilling Commenced **September 17, 1952** Drilling was Completed **October 29, 1952**

Name of Drilling Contractor **Jenkins & McQueen**

Address **1009 Colcord Building, Oklahoma City, Oklahoma**

Elevation at level at Top of Tubing Head..... The information given is to be kept confidential until.....

OIL SANDS OR ZONES

No. 1, from..... to..... No. 4, from..... to.....
 No. 2, from..... to..... No. 5, from..... to.....
 No. 3, from..... to..... No. 6, from..... to.....

IMPORTANT WATER SANDS

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

No. 1, from **425'** to **475'** feet.
 No. 2, from **1991** to **2059** feet.
 No. 3, from..... to..... feet.
 No. 4, from..... to..... feet.

CASING RECORD

SIZE	WEIGHT PER FOOT	NEW OR USED	AMOUNT	KIND OF SHOE	CUT AND PULLED FROM	PERFORATIONS	PURPOSE
12-1/2"	50	used	46'		46'		Drilling string
10-3/4"	40	"	112		112		" "
8-5/8"	28	"	400		400		" "
5-1/2"	14	"	2123		2123		" "

MUDDING AND CEMENTING RECORD

SIZE OF HOLE	SIZE OF CASING	WHERE SET	PERCENT CEMENT	METHOD USED	MUD GRAVITY	AMOUNT OF MUD USED

RECORD OF PRODUCTION AND STIMULATION

(Record of losses used, No. of Qts. or Gals. used, intervals treated or slotted)

SECTION VII

- (1) Proposed injection rates:
 - (a) average daily injection rate: 400 Barrels per day
 - (b) maximum daily injection rate: 1000 Barrels per day
- (2) Proposed system will be closed
- (3) Proposed injection pressure:
 - (a) average injection pressure; unknown
 - (b) maximum injection pressure: 650#
- (4) Type of injection fluid from wells is produced salt water
- (5) Analysis of disposal formation water if not produced within one mile: Water Analysis attached.



DOWELL DIVISION OF DOW CHEMICAL U.S.A.

An Operating Unit of The Dow Chemical Company

LABORATORY LOCATION

API WATER ANALYSIS REPORT FORM

DATE

LAB NO

Company <i>Westall</i>		Sample No. <i>1</i>	Date Sampled <i>5-19-87</i>	
Field <i>S. Carlsbad Delaware</i>		Legal Description <i>UNIT I SR. 24-T-22S-R26E</i>	County or Parish <i>Eddy</i>	State <i>NM</i>
Lease or Unit <i>Base Ball Park</i>	Well <i>H1</i>	Depth <i>3152</i>	Formation <i>CHERRY CAN</i>	Water, H/D
Type of Water (Produced, Supply, etc.) <i>Produced</i>		Sampling Point <i>WELL HEAD</i>		Sampled By <i>GMB</i>

DISSOLVED SOLIDS

CATIONS	mg/L	me/L
Sodium, Na (calc.)	<i>62,344</i>	<i>27.2</i>
Calcium, Ca	<i>5000</i>	<i>250</i>
Magnesium, Mg	<i>3042</i>	<i>250</i>
Barium, Ba		

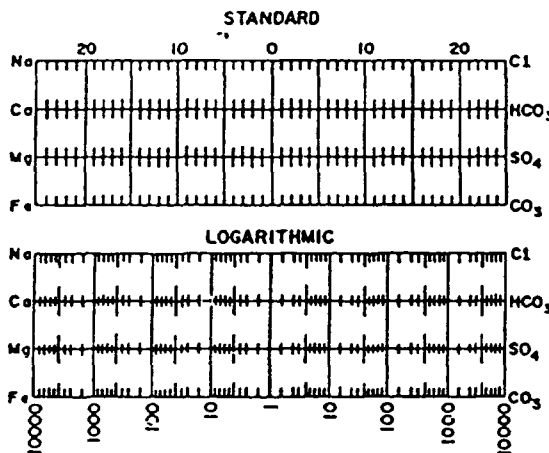
OTHER PROPERTIES

pH	<i>8.5</i>
Specific Gravity, 60/60 F.	<i>1.125</i>
Resistivity (ohm-meters) _____ F.	

ANIONS

Chloride, Cl	<i>113,600</i>	<i>320.3</i>
Sulfate, SO ₄	<i>300</i>	<i>6</i>
Carbonate, CO ₃		
Bicarbonate, HCO ₃	<i>152</i>	<i>3</i>

WATER PATTERNS — me/L



Total Dissolved Solids (calc.)

Iron, Fe (total) *+10*
Sulfide, as H₂S

REMARKS & RECOMMENDATIONS:



DOWELL DIVISION OF DOW CHEMICAL U.S.A.

An Operating Unit of The Dow Chemical Company

LABORATORY LOCATION

API WATER ANALYSIS REPORT FORM

DATE

LAB NO.

Company <i>Ray Westall</i>		Sample No.	Date Sampled <i>5-19-57</i>	
Field <i>S. Carlsbad Accurates</i>	Legal Description <i>UNIT O SEC 24-22S-26E</i>	County or Parish <i>Eddy</i>	State <i>NM</i>	
Lease or Unit <i>MERLAND</i>	Well <i>#1</i>	Depth <i>4322</i>	Formation <i>Brushy Canyon</i>	Water, H/D
Type of Water (Produced, Supply, etc.) <i>PRODUCED</i>	Sampling Point <i>WELL HEAD</i>		Sampled by <i>GC</i>	

DISSOLVED SOLIDS

OTHER PROPERTIES

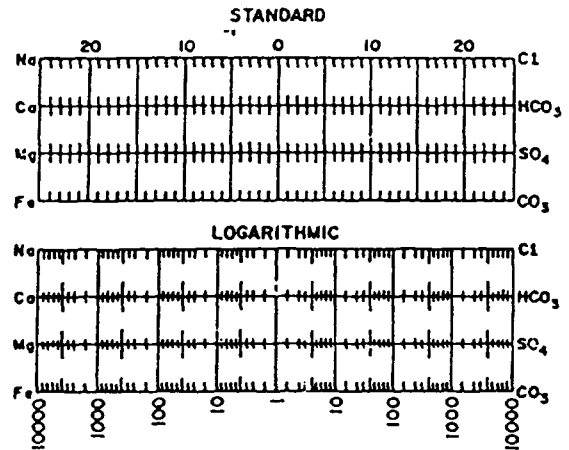
CATIONS	mg/L	me/L
Sodium, Na (calc.)	<i>56,712</i>	<i>2467</i>
Calcium, Ca	<i>18000</i>	<i>898</i>
Magnesium, Mg	<i>5476</i>	<i>450</i>
Barium, Ba		

pH	<i>8</i>
Specific Gravity, 60/60 F.	<i>1.140</i>
Resistivity (ohm-meters) _____ F.	

ANIONS

Chloride, Cl	<i>134900</i>	<i>3804</i>
Sulfate, SO ₄	<i>300</i>	<i>6</i>
Carbonate, CO ₃		
Bicarbonate, HCO ₃	<i>305</i>	<i>5</i>

WATER PATTERNS — me/L



Total Dissolved Solids (calc.)

Iron, Fe (total)

2

Sulfide, as H₂S

REMARKS & RECOMMENDATIONS:



DOWELL DIVISION OF DOW CHEMICAL U.S.A.

An Operating Unit of The Dow Chemical Company

LABORATORY LOCATION

API WATER ANALYSIS REPORT FORM

DATE

LAB NO

Company <i>Ray WATALL</i>		Sample No.	Date Sampled <i>5-19-87</i>	
Field <i>S-Carlsbad Reserve</i>	Legal Description <i>Unit K Sec 24-225-26E</i>	County or Parish <i>Ft. H.</i>	State <i>N.M.</i>	
Lease or Unit <i>Baseball Park</i>	Well <i>#3</i>	Depth <i>4444</i>	Formation <i>Brushy Cmn</i>	Water, H/D
Type of Water (Produced, Supply, etc.) <i>Produced</i>	Sampling Point <i>Well Head</i>		Sampled By <i>GG</i>	

DISSOLVED SOLIDS

CATIONS	mg/L	me/L
Sodium, Na (calc.)	<i>64.235</i>	<i>2816</i>
Calcium, Ca	<i>2400</i>	<i>1198</i>
Magnesium, Mg	<i>8519</i>	<i>700</i>
Barium, Ba		

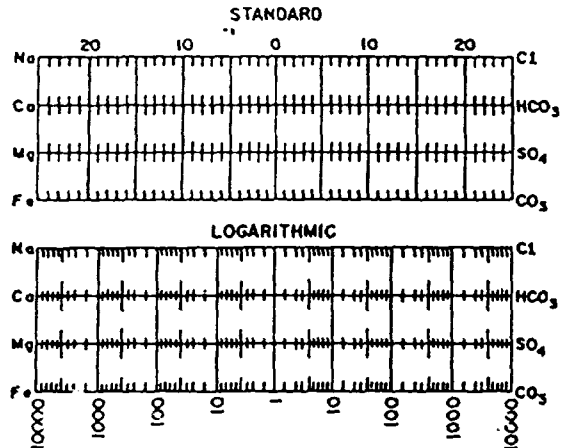
OTHER PROPERTIES

pH	<i>6.2</i>
Specific Gravity, 60/60 F.	<i>1.150</i>
Resistivity (ohm-meters) _____ F.	

ANIONS

Chloride, Cl	<i>116.850</i>	<i>4705</i>
Sulfate, SO ₄	<i>200</i>	<i>4</i>
Carbonate, CO ₃		
Bicarbonate, HCO ₃	<i>305</i>	<i>5</i>

WATER PATTERNS — me/L



Total Dissolved Solids (calc.)

Iron, Fe (total)

710

Sulfide, as H₂S

REMARKS & RECOMMENDATIONS:

SECTION VIII

Geological Data

- (1) Geological manes of injection zones:
Cherry Canyon Formation
- (2) Lithological detail of injection zones:
Top of Delaware is at 2330" Top of Cherry Canyon
is at 2800' Base of Cherry Canyon/top of Brushy
Canyon is at 3795'
- (3) Thickness of injection zone: 54'
 - a. average thickness 80'
 - b. range of thickness 40'- 120'
- (4) Fresh water zones:
 - a. fresh water occures 0-200'
 - b. no known fresh water below perforations



DOWELL DIVISION OF DOW CHEMICAL U.S.A.

An Operating Unit of The Dow Chemical Company

LABORATORY LOCATION

API WATER ANALYSIS REPORT FORM

DATE

LAB NO

Company <i>ARC WETA11</i>		Sample No.	Date Sampled <i>5-15-87</i>	
Field <i>S-Carlsbad Delaware</i>	Legal Description <i>P-24-225-26E</i>	County or Parish <i>Eddy</i>	State <i>NM</i>	
Lease or Unit <i>BASE BALL PARK</i>	Well <i>#2</i>	Depth <i>4230</i>	Formation <i>BRUSHY CAV.</i>	Water, B/D
Type of Water (Produced, Supply, etc.) <i>PRODUCED</i>	Sampling Point <i>WELL HEAD</i>		Sampled By <i>G.E.</i>	

DISSOLVED SOLIDS

CATIONS	mg/L	me/L
Sodium, Na (calc.)	<i>29,034</i>	<i>34.38</i>
Calcium, Ca	<i>21,000</i>	<i>10.48</i>
Magnesium, Mg	<i>13,995</i>	<i>11.50</i>
Barium, Ba		

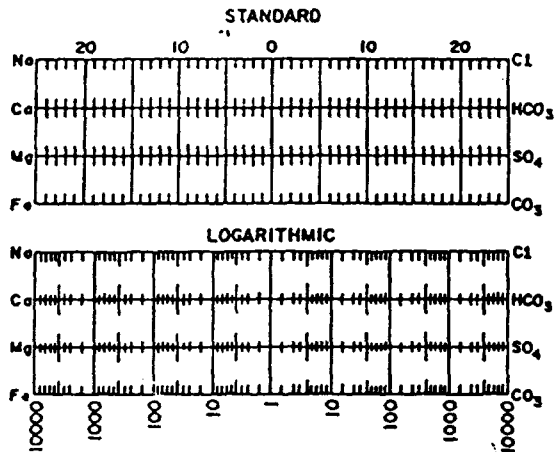
OTHER PROPERTIES

pH	<i>4</i>
Specific Gravity, 60/60 F.	<i>1.12</i>
Resistivity (ohm-meters) _____ F.	
_____ F.	
_____ F.	

ANIONS

Chloride, Cl	<i>198,500</i>	<i>56.6</i>
Sulfate, SO ₄	<i>250</i>	<i>5</i>
Carbonate, CO ₃		
Bicarbonate, HCO ₃	<i>1,525</i>	<i>25</i>

WATER PATTERNS — me/L



Total Dissolved Solids (calc.)

Iron, Fe (total)

1.0

Sulfide, as H₂S

REMARKS & RECOMMENDATIONS:

SECTION IX

Proposed Stimulation Program

Perforate with 2 shots per foot 3670' - 3720' Acid
with 2500 gallon 15% HCL

SECTION X:

Well Log

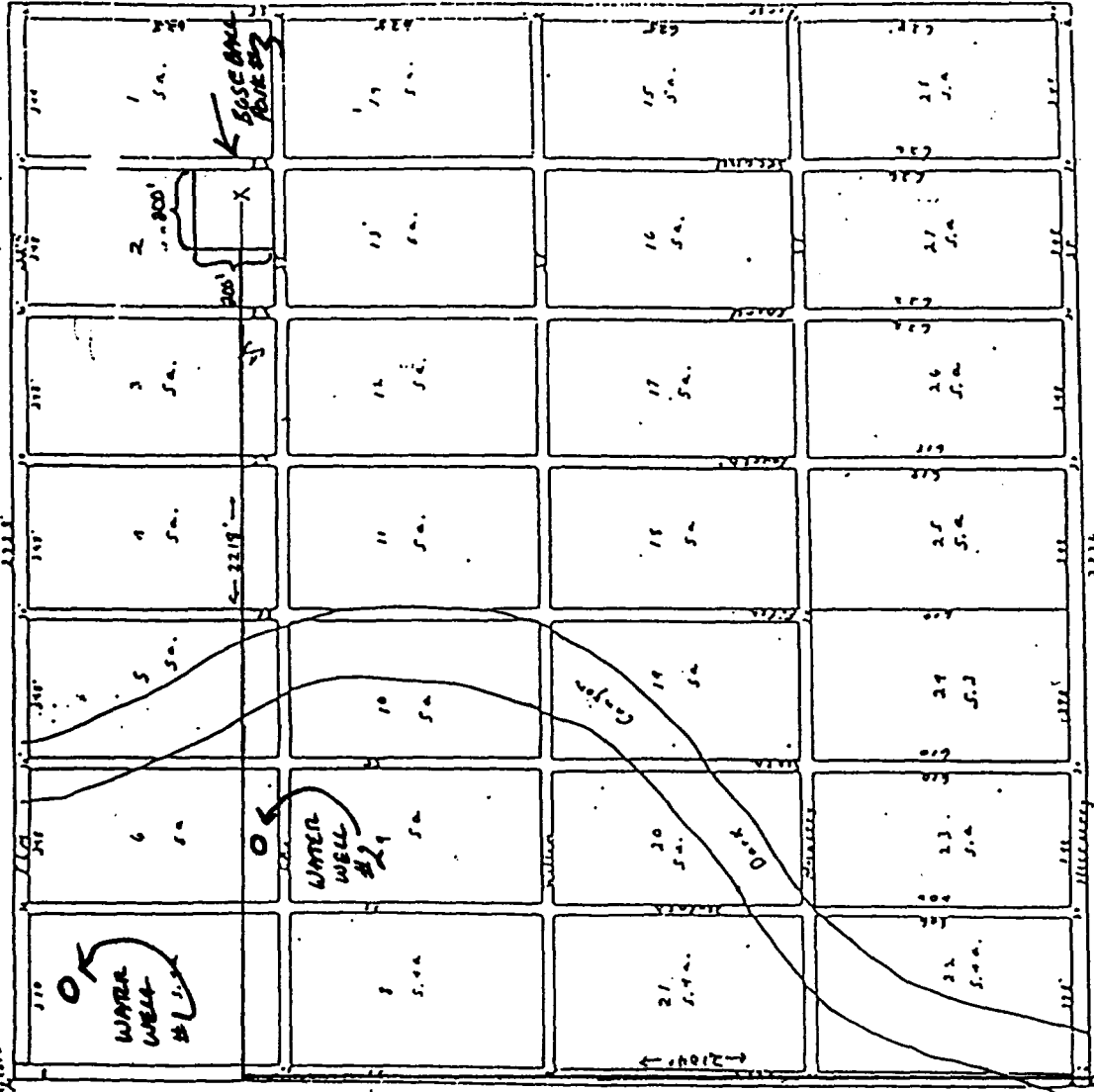
Logs submitted at NMOCD Artesia office

SECTION XI:

Fresh Water Analysis

WALLING HEIGHTS

A Subdivision of 70
 SW 4 of Sec. 26 T. 27 N.
 Range 26 E N.M.P.



For Assessment
 purposes only

23	24
26	25



DOWELL DIVISION OF DOW CHEMICAL U.S.A.

An Operating Unit of The Dow Chemical Company

LABORATORY LOCATION

API WATER ANALYSIS REPORT FORM

DATE

LAB NO.

Company <i>King West A11</i>		Sample No. <i>1</i>	Date Sampled <i>5-19-57</i>	
Field <i>DOMESTIC WATER WELL</i>	Legal Description		County or Parish <i>Eddy</i>	State <i>NM</i>
Lease or Unit <i>INDIANAS NARRA WELL</i>	Well	Depth <i>62'</i>	Formation	Water, H/D
Type of Water (Produced, Supply, etc.)		Sampling Point <i>WINDMILL</i>		Sampled By <i>G.G.</i>

DISSOLVED SOLIDS

CATIONS	mg/L	me/L
Sodium, Na (calc.)	<i>2</i>	<i>0</i>
Calcium, Ca	<i>1000</i>	<i>50</i>
Magnesium, Mg	<i>3042</i>	<i>250</i>
Barium, Ba		

ANIONS	mg/L	me/L
Chloride, Cl	<i>3550</i>	<i>100</i>
Sulfate, SO ₄	<i>200</i>	<i>4</i>
Carbonate, CO ₃		
Bicarbonate, HCO ₃	<i>79</i>	<i>1.3</i>

Total Dissolved Solids (calc.) _____

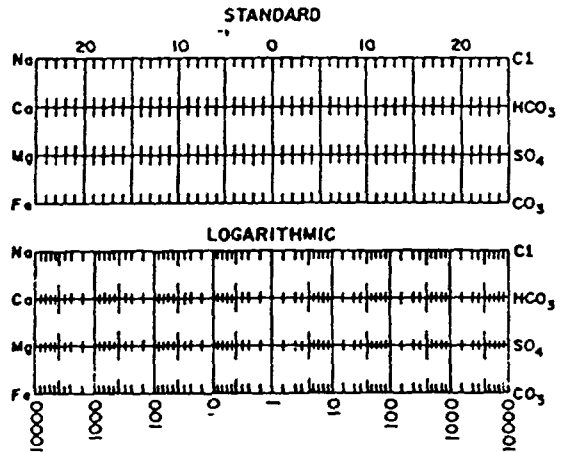
Iron, Fe (total) *1*

Sulfide, as H₂S _____

OTHER PROPERTIES

pH	<i>6.5</i>
Specific Gravity, 60/60 F.	<i>1.000</i>
Resistivity (ohm-meters) _____ F.	

WATER PATTERNS — me/L



REMARKS & RECOMMENDATIONS:



DOWELL DIVISION OF DOW CHEMICAL U.S.A.

An Operating Unit of The Dow Chemical Company

LABORATORY LOCATION

API WATER ANALYSIS REPORT FORM

DATE

LAB NO.

Company <i>RHY W. STALL</i>		Sample No. <i>2</i>	Date Sampled <i>5-19-57</i>	
Field <i>DOMESTIC WATER Well</i>	Legal Description	County or Parish <i>Edg</i>	State <i>nm</i>	
Lease or Unit <i>Due west of Base Mt. P. 43</i>	Well <i>105</i>	Depth	Formation <i>7</i>	Water, B/D
Type of Water (Produced, Supply, etc.)	Sampling Point <i>WINDMILL</i>	Sampled By <i>G.G.</i>		

DISSOLVED SOLIDS

CATIONS

	mg/L	me/L
Sodium, Na (calc.)	<i>0</i>	<i>0</i>
Calcium, Ca	<i>1000</i>	<i>50</i>
Magnesium, Mg	<i>1825</i>	<i>150</i>
Barium, Ba		

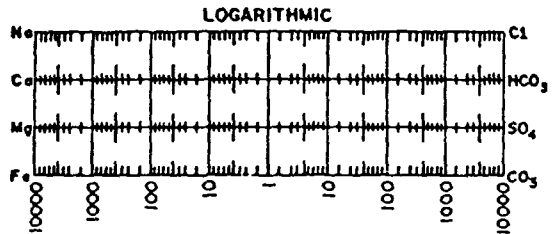
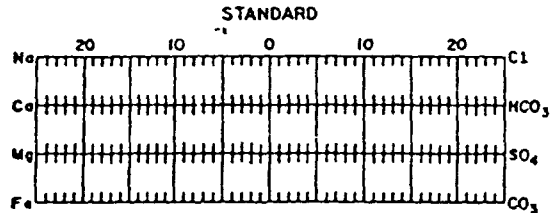
OTHER PROPERTIES

pH	<i>6 1/2</i>
Specific Gravity, 60/60 F.	<i>1.000</i>
Resistivity (ohm-meters) _____ F.	

ANIONS

Chloride, Cl	<i>3550</i>	<i>100</i>
Sulfate, SO ₄	<i>200</i>	<i>4</i>
Carbonate, CO ₃		
Bicarbonate, HCO ₃	<i>79</i>	<i>1.3</i>

WATER PATTERNS — me/L



Total Dissolved Solids (calc.)

Iron, Fe (total)

1

Sulfide, as H₂S

REMARKS & RECOMMENDATIONS:

SECTION XII

Affirmative Statement:

- A. The available geologic and engineering data have been examined, and no evidence of open faults or any other hydrologic connection between the disposal zone and any underground source of drinking water.

XIV. Certification

I hereby certify that the information submitted with this application is true and correct to the best of my knowledge and belief.

Name: Ray Westall Title: Operator

Signature: Ray Westall Date: 6/25/87

PROOF OF NOTICE

A copy pf this application was sent to the following operators within $\frac{1}{2}$ mile of the proposed injection well

PENNZOIL COMPANY
P.O. Drawer 1828
Midland, TX 79701

GRACE ENERGY CO.
P.O. Box 207
Carlsbad, N.M. 88220

CORINNE GRACE
P.O. Box 1418
Carlsbad, N.M. 88220

ARCO
P.O. Box 1610
Midland, TX 79702

JFG
Box 100
Artesia, N.M. 88210

CITIES SERVICE
P.O. Box 1919
Midland, TX 79702

SURFACE OWNER
Mary F. Merchant
P.O. Box 548
Carlsbad, N.M. 88220