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U.S.G.S.	
LAND OFFICE	
OPERATOR	

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

Form C-105
Revised 10-1-76

6a. Indicate Type of Lease State ☒ Fee ☐
6. State Oil & Gas Lease No. NM-1021
7. Unit Agreement Name Central Vacuum Unit
8. Farm or Lease Name Central Vacuum Unit
9. Well No. 146
10. Field and Pool, or Wildcat Vacuum Grayburg San Andres

14. TYPE OF WELL	
OIL WELL ☐	GAS WELL ☐ DRY ☐ OTHER <u>Water Injection</u>
b. TYPE OF COMPLETION	
NEW WELL ☒	WORK OVER ☐ DEEPEN ☐ PLUG BACK ☐ DIFF. REVR. ☐ OTHER

2. Name of Operator
TEXACO Inc.

3. Address of Operator
P. O. Box 728, Hobbs, New Mexico 88240

4. Location of Well
UNIT LETTER **G** LOCATED **2465** FEET FROM THE **North** LINE AND **1335** FEET FROM

THE **East** LINE OF SEC. **31** TWP. **17-S** RGE. **35-E** LEA

15. Date Spudded 7-14-80	16. Date T.D. Reached 7-25-80	17. Date Compl. (Ready to Prod.) 8-5-80	18. Elevations (DF, hKB, RT, GR, etc.) 3975' (GR)	19. Elev. Casinghead 3975'
20. Total Depth 4800'	21. Plug Back T.D. 4754'	22. If Multiple Compl., How Many	23. Intervals Drilled By 0-4800'	23. Intervals Drilled By 0

24. Producing Interval(s), of this completion — Top, Bottom, Name
4346-4683' Grayburg San Andres

26. Type Electric and Other Logs Run
Gamma Ray-Compensated Neutron

28. CASING RECORD (Report all strings set in well)					
CASING SIZE	WEIGHT L.B./FT.	DEPTH SET	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED
13-3/8"	48#	357'	17-1/2"	500 sx.	-0-
8-5/8"	24#	1540'	12-1/4"	1200 sx.	-0-
4-1/2"	10.5#	4800'	7-7/8"	2800 sx.	-0-

29. LINER RECORD				30. TUBING RECORD			
SIZE	TOP	BOTTOM	SACKS CEMENT	SCREEN	SIZE	DEPTH SET	PACKER SET
					2-3/8"	4280'	4280'

31. Perforation Record (Interval, size and number) Perforate 4-1/2" csg w/2 JSPF @ 4346, 50, 60, 74, 77, 80, 95, 4409, 28, 36, 45, 56, 64, 4532, 45, 48, 51, 54, 57, 61, 64, 71, 4615, 22, 33, 35, 41, 44, 48, 51, 60, 66, 70, 74 & 4683'.	32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC. DEPTH INTERVAL 4346'-4683' AMOUNT AND KIND MATERIAL USED 8500 gals. 15% NEFE Acid
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33. PRODUCTION							
Date First Production No Test		Production Method (Flowing, gas lift, pumping — Size and type pump)				Well Status (Prod. or Shut-in)	
Date of Test	Hours Tested	Choke Size	Prodn. Per Test Period	Oil — Bbl.	Gas — MCF	Water — Bbl.	Gas — Oil Ratio
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.)

35. List of Attachments
Well Completed Shut-In Water Injection, 8-5-80

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 **Asst. Dist. Supt.** DATE **8-8-80**

INSTRUCTIONS

This form is to be filed with the appropriate District Office of the Commission not later than _____ days after the completion of any new or deepened well. It shall be accompanied by _____ copy of all electrical and radioactivity logs run in the well and a summary of all spectral logs 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

T. Anhy _____ **1490**
T. Salt _____ **1622**
B. Salt _____ **2640**
T. Yates _____ **2788**
T. 7 Rivers _____
T. Queen _____ **3685**
T. Grayburg _____ **4030**
T. San Andres _____ **4303**
T. Glorieta _____
T. Paddock _____
T. Blinberry _____
T. Tubb _____
T. Drinkard _____
T. Abo _____
T. Wolfcamp _____
T. Penn. _____
T. Cisco (Bough C) _____

T. Canyon _____
T. Strawn _____
T. Atoka _____
T. Miss _____
T. Devonian _____
T. Silurian _____
T. Montoya _____
T. Simpson _____
T. McKee _____
T. Ellenburger _____
T. Gr. Wash _____
T. Granite _____
T. Delaware Sand _____
T. Bone Springs _____
T. _____
T. _____

Northwestern New Mexico

T. Ojo Alamo _____
T. Kirtland-Fruitland _____
T. Pictured Cliffs _____
T. Cliff House _____
T. Menefee _____
T. Point Lookout _____
T. Mancos _____
T. Gallup _____
Base Greenhorn _____
T. Dakota _____
T. Morrison _____
T. Todilto _____
T. Entrada _____
T. Wingate _____
T. Chinle _____
T. Permian _____
T. Penn. "A" _____
T. Penn. "B" _____
T. Penn. "C" _____
T. Penn. "D" _____
T. Leadville _____
T. Madison _____
T. Elbert _____
T. McCracken _____
T. Ignacio Qtzite _____
T. Granite _____
T. _____
T. _____
T. _____
T. _____
T. _____
T. _____
T. _____

OIL OR GAS SANDS OR ZONES

No. 1, from _____ to _____
No. 2, from _____ to _____
No. 3, from _____ to _____
No. 4, from _____ to _____
No. 5, 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 _____ to _____ feet.
No. 2, from _____ to _____ feet.
No. 3, from _____ to _____ feet.
No. 4, from _____ to _____ feet.

FORMATION RECORD (Attach additional sheets if necessary)

From	To	Thickness in Feet	Formation	From	To	Thickness in Feet	Formation
0	1470	1470	Red Bed				
1470	3805	2335	Anhydrite				
3805	4800	995	Lime				
	4800		Total Depth				
	4754		PRTD				
RECEIVED AUG 11 1980 OIL CONSERVATION DIV.							

INCLINATION REPORT

OPERATOR TEXACO INC. ADDRESS Box 728, Hobbs, New Mexico 88240

LEASE NAME Central Vacuum Unit 146 WELL NO. 146 FIELD

LOCATION 2465' FNL, 1335' FEL, Sec. 31, T 17S, R 35E, Lea Co.

DEPTH	ANGLE INCLINATION DEGREES	DISPLACEMENT	DISPLACEMENT ACCUMULATED
357	1/4	1.5708	1.5708
853	3/4	6.4976	8.0684
1347	3/4	6.4714	14.5398
1540	3/4	2.5283	17.0681
2032	1 1/2	13.0476	30.1157
2532	1 1/4	10.9000	41.0157
2905	1 1/4	8.1314	49.1471
3223	1 1/4	6.9324	56.0795
3729	1 1/2	13.2572	69.3367
4229	1 1/2	13.1000	82.4367
4720	1 1/2	12.8642	95.3009
4800	1 3/4	2.4400	97.7409

I hereby certify that the above data as set forth is true and correct to the best of my knowledge and belief.

CACTUS DRILLING COMPANY

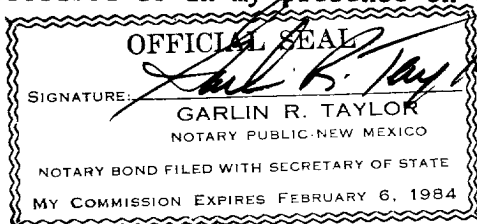
Rhonda Ford
TITLE Rhonda Ford, Office Manager

AFFIDAVIT:

Before me, the undersigned authority, appeared Rhonda Ford known to me to be the person whose name is subscribed herebelow, who, on making deposition, under oath states that he is acting for and in behalf of the operator of the well identified above, and that to the best of his knowledge and belief such well was not intentionally deviated from the true vertical whatsoever.

Rhonda Ford
AFFIANT'S SIGNATURE

Sworn and subscribed to in my presence on this the 29th day of July, 1980



SEAL

Notary Public in and for the County
of Lea, State of New Mexico

RECEIVED

AUG 11 1980

CDC CONSERVATION DIV.

OIL CONSERVATION DIVISION

P. O. BOX 2088
SANTA FE, NEW MEXICO 87501

Form C-103
Revised 10-1-78

NO. OF COPIES RECEIVED	
DISTRIBUTION	
SANTA FE	
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LAND OFFICE	
OPERATOR	

5a. Indicate Type of Lease State ☒ Fee ☐
5. State Oil & Gas Lease No. NM-1021

SUNDRY NOTICES AND REPORTS ON WELLS (DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEFEED OR PLUG LAC 11 & DIFFERENT RESERVOIR. USE "APPLICATION FOR PERMIT - LAC" FORM C-101 FOR SUCH PROPOSALS.)	
1. ☐ OIL WELL ☐ GAS WELL ☐ OTHER- Water Injection	7. Unit Agreement Name Central Vacuum Unit
2. Name of Operator TEXACO Inc.	8. Farm or Lease Name Central Vacuum Unit
3. Address of Operator P. O. Box 728, Hobbs, New Mexico 88240	9. Well No. 146
4. Location of Well UNIT LETTER G 2465 FEET FROM THE North LINE AND 1335 FEET FROM THE East LINE, SECTION 31 TOWNSHIP 17-S RANGE 35-E NMPM.	10. Field and Pool or Wildcat Vacuum Grayburg-San Andres
15. Elevation (Show whether DF, RT, GR, etc.) 3975' (GR)	12. County Lea

16. Check Appropriate Box To Indicate Nature of Notice, Report or Other Data	
NOTICE OF INTENTION TO: PERFORM REMEDIAL WORK ☐ TEMPORARILY ABANDON ☐ PULL OR ALTER CASING ☐ OTHER ☐	SUBSEQUENT REPORT OF: PLUG AND ABANDON ☐ CHANGE PLANS ☐ REMEDIAL WORK ☐ COMMENCE DRILLING OPNS. ☐ CASING TEST AND CEMENT JOB ☐ OTHER Perforate & treat ☒ ALTERING CASING ☐ PLUG AND ABANDONMENT ☐

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

TOTAL DEPTH 4800'
PLUG BACK TOTAL DEPTH 4754'
13-3/8" OD 48# H-40 Csg set @ 357'
8-5/8" OD 24# K-55 Csg set @ 1540'
4-1/2" OD 10.5# K-55 Csg set @ 4800'

1. Perforate 4-1/2" csg w/2 JSPF @ 4346', 50', 60', 74', 77', 80', 95', 4409', 28', 36', 45', 56', 64', 4532', 42', 45', 48', 51', 54', 57', 61', 64', 71', 4615', 22', 33', 35', 41', 44', 48', 51', 60', 66', 70', 74' & 4683'.
2. Set RBP @ 4728' & pkr @ 4603'. Acidize perfs 4615-4683' w/2600 gals 15% NEFE acid & 25 ball sealers.
3. Reset RBP @ 4603' & pkr @ 4511'. Acidize perfs 4532-4571' w/2000 gals 15% NEFE acid & 15 ball sealers.
4. Reset RBP @ 4511' & pkr @ 4296'. Acidize perfs 4346-4464' w/3900 gals 15% NEFE acid & 25 ball sealers.
5. Ran 2-3/8" OD plastic coated tubing w/pkr & set @ 4280'. Load annulus w/inhibited water.
6. Well completed Shut-In Water Injection, 8-5-80.

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

SIGNED *J. Schaff* TITLE Asst. District Supt. DATE 8-6-80

APPROVED BY Orig. Signed by Jerry Sexton TITLE DATE AUG 11 1980

CONDITIONS OF APPROVAL, Disapprove