

SEP 10 10 39 AM '65

# CONTINENTAL OIL COMPANY

Post Office Box 460  
Hobbs, New Mexico

September 9, 1965

New Mexico Oil Conservation Commission  
P. O. Box 2088  
Santa Fe, New Mexico

Attention of Mr. A. L. Porter, Jr., Secretary-Director

Gentlemen:

We forward herewith an application, in duplicate, requesting authority to effect a dual completion in the Vacuum Glorieta and Vacuum Abo Pools in our State H-35 Well No. 7, located in Unit B, Section 35, T-17S, R-34E, Lea County, New Mexico. Two copies are being furnished by copy of this letter to your Hobbs District Office, and one copy by certified mail to each of the offset operators listed on the application.

Your further handling and approval of this application will be sincerely appreciated.

Yours very truly,



V. T. LYON  
Supervising Engineer

VTL-DFW  
Enc.

cc: NMOCC-~~Hobbs~~ RGP GW JWK

By Certified Mail:

Mobil Oil Co., P. O. Box 1800, Hobbs, N. M.  
Phillips Petroleum Co., P. O. Box 2105, Hobbs, N. M.  
Texaco Inc., P. O. Box 728, Hobbs, N. M.  
Tidewater Oil Co., P. O. Box 547, Hobbs, N. M.  
Marathon Oil Co., P. O. Box 2107, Hobbs, N. M.

1911-12-13

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## NEW MEXICO OIL CONSERVATION COMMISSION

SANTA FE, NEW MEXICO

5-1-61

## APPLICATION FOR MULTIPLE COMPLETION

SEP 10 10 35 AM '65

Operator Continental Oil Company		County Lea		Date 9-9-65
Address Box 460, Hobbs, New Mexico		Lease State H-35		Well No. 7
Location or Well	Unit B	Section 35	Township 17-S	Range 34-E

1. Has the New Mexico Oil Conservation Commission heretofore authorized the multiple completion of a well in these same pools or in the same zones within one mile of the subject well? YES X NO     

2. If answer is yes, identify one such instance: Order No. MC-1432; Operator, Lease, and Well No.:

Phillips Petroleum Company, Santa Fe No. 80N in Sec. 27-17S-35E

3. The following facts are submitted:	Upper Zone	Intermediate Zone	Lower Zone
a. Name of Pool and Formation	Vacuum Glorieta		Vacuum Abo
b. Top and Bottom of Pay Section (Perforations)	5966-6010 (Proposed)		9154-9256
c. Type of production (Oil or Gas)	Oil		Oil
d. Method of Production (Flowing or Artificial Lift)	Flow		Hydraulic Lift

4. The following are attached. (Please mark YES or NO)

- Yes a. Diagrammatic Sketch of the Multiple Completion, showing all casing strings, including diameters and setting depths, centralizers and /or turbolizers and location thereof, quantities used and top of cement, perforated intervals, tubing strings, including diameters and setting depth, location and type of packers and side door chokes, and such other information as may be pertinent.
- Yes b. Plat showing the location of all wells on applicant's lease, all offset wells on offset leases, and the names and addresses of operators of all leases offsetting applicant's lease.
- Yes c. Waivers consenting to such multiple completion from each offset operator, or in lieu thereof, evidence that said offset operators have been furnished copies of the application.\*
- Yes d. Electrical log of the well or other acceptable log with tops and bottoms of producing zones and intervals of perforation indicated thereon. (If such log is not available at the time application is filed, it shall be submitted as provided by Rule 112-A.)

5. List all offset operators to the lease on which this well is located together with their correct mailing address.

Mobil Oil Company, P. O. Box 1800, Hobbs, New Mexico

Phillips Petroleum Company, P. O. Box 2105, Hobbs, New Mexico

Texaco Incorporated, P. O. Box 728, Hobbs, New Mexico

Tidewater Oil Company, P. O. Box 547, Hobbs, New Mexico

Marathon Oil Company, P. O. Box 2107, Hobbs, New Mexico

6. Were all operators listed in Item 5 above notified and furnished a copy of this application? YES X NO     . If answer is yes, give date of such notification September 9, 1965.

CERTIFICATE: I, the undersigned, state that I am the Supervising Engineer of the Continental Oil Company

(company), and that I am authorized by said company to make this report; and that this report was prepared under my supervision and direction and that the facts stated therein are true, correct and complete to the best of my knowledge.

NMOCC-Santa Fe(2) JWK GW File

NMOCC-Hobbs(2)

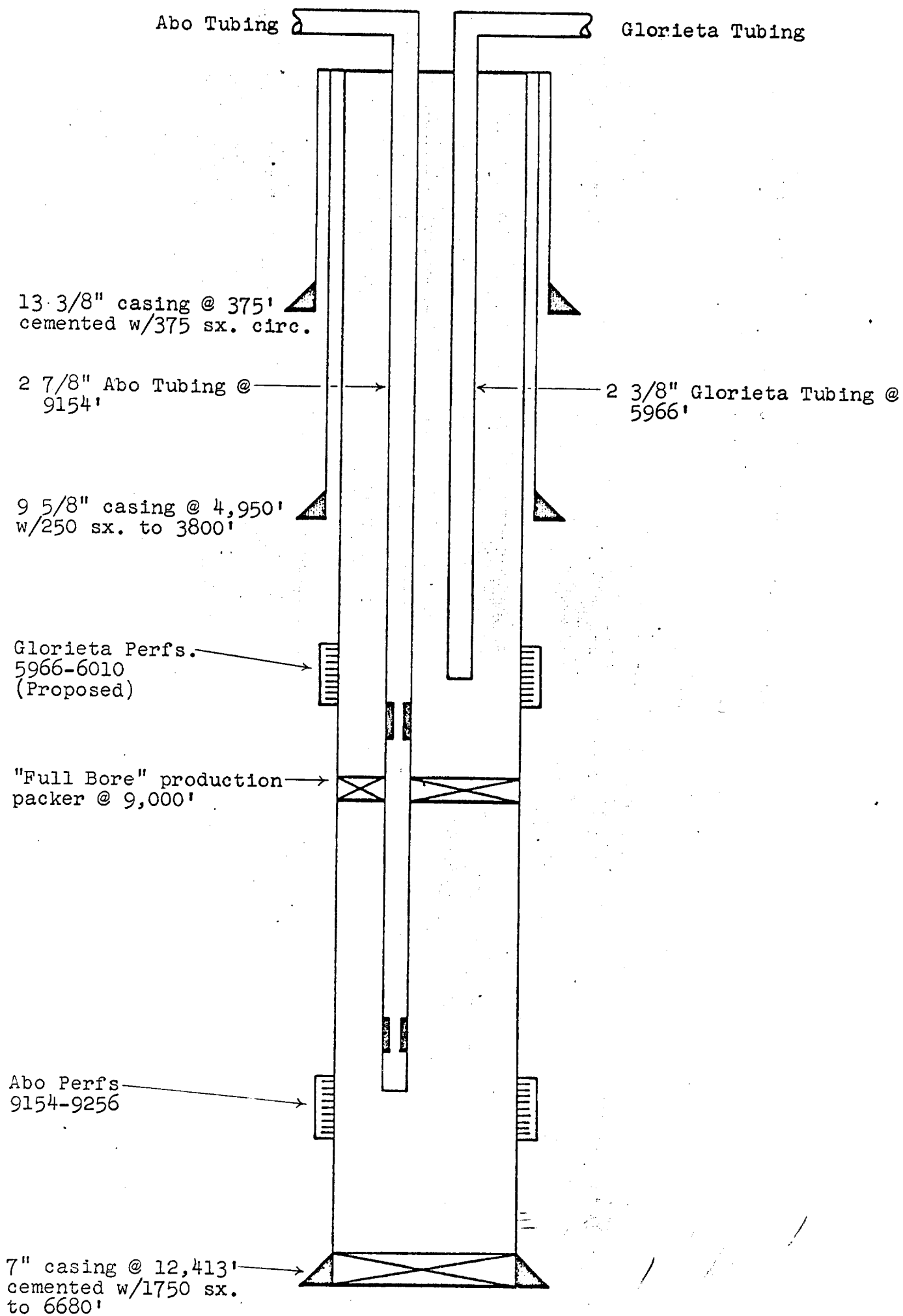
Offset Operators (By Certified Mail)

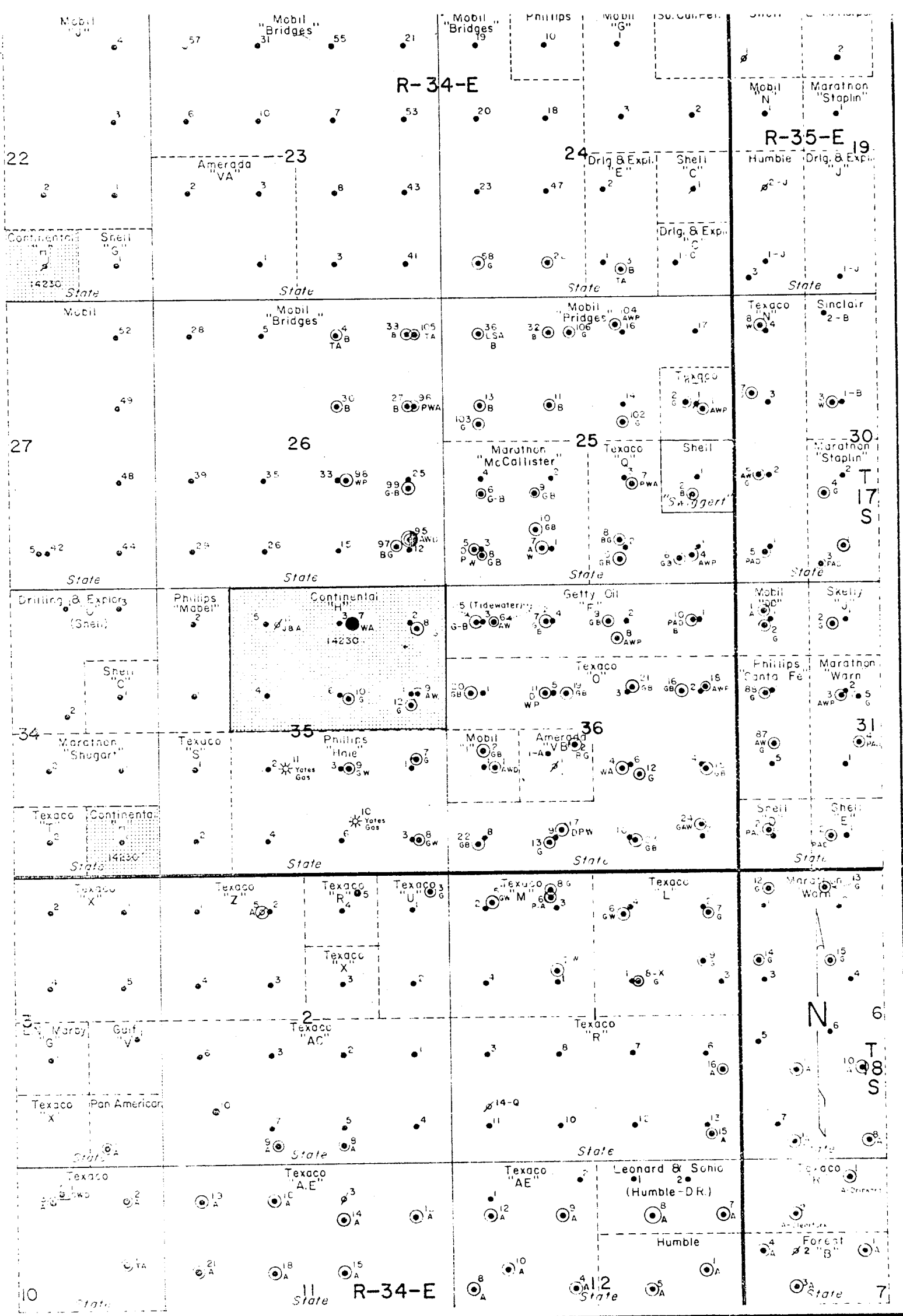
\* Should waivers from all offset operators not accompany an application for administrative approval, the New Mexico Oil Conservation Commission will hold the application for a period of twenty (20) days from date of receipt by the Commission's Santa Fe office. If, after said twenty-day period, no protest nor request for hearing is received by the Santa Fe office, the application will then be processed.

NOTE: If the proposed multiple completion will result in an unorthodox well location and/or a non-standard proration unit in either or both of the producing zones, then separate application for approval of the same should be filed simultaneously with this application.

Signature

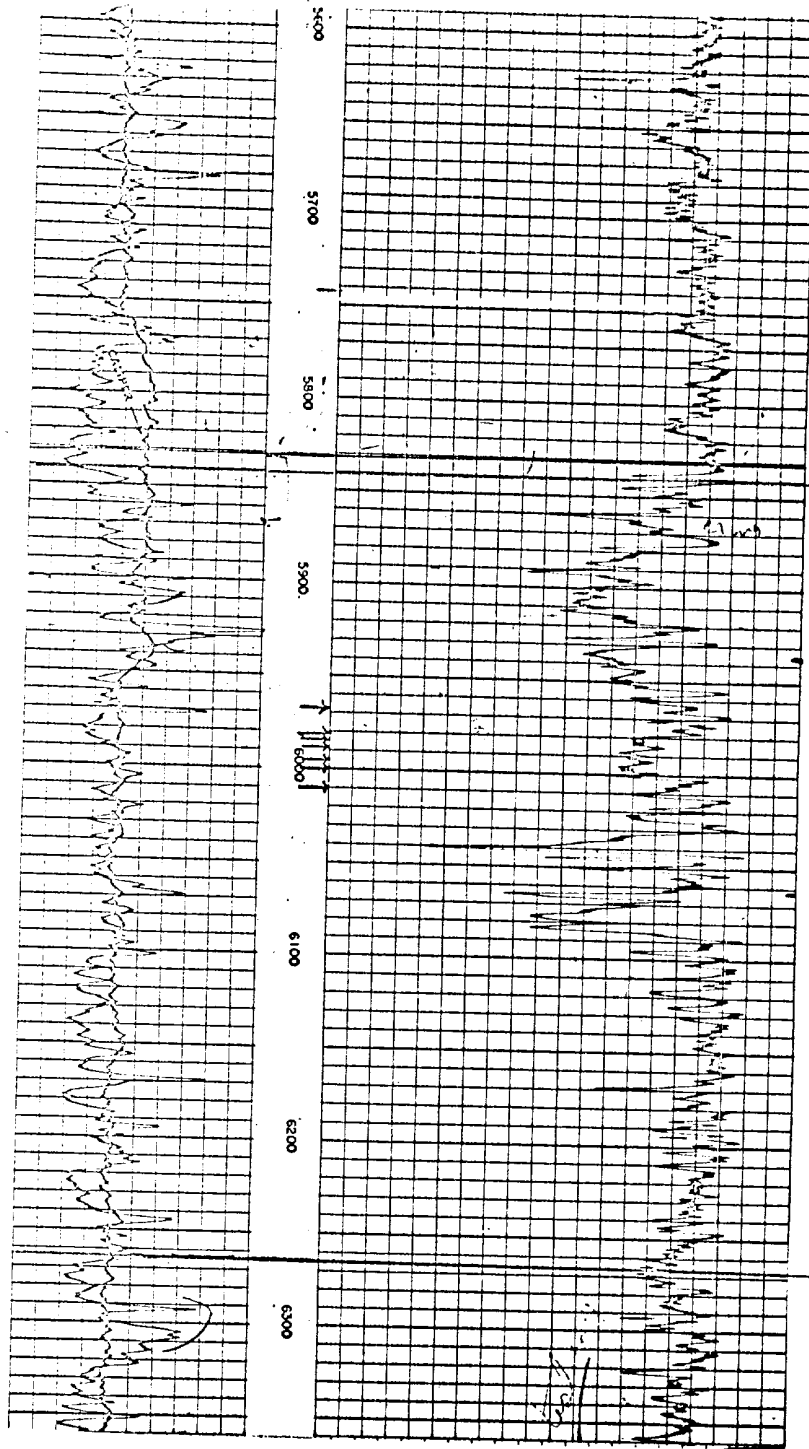
CONTINENTAL OIL COMPANY  
PROPOSED METHOD OF DUAL COMPLETION  
STATE H-35 NO. 7





CONTINENTAL OIL COMPANY  
STATE H-35  
WELL NO. 7

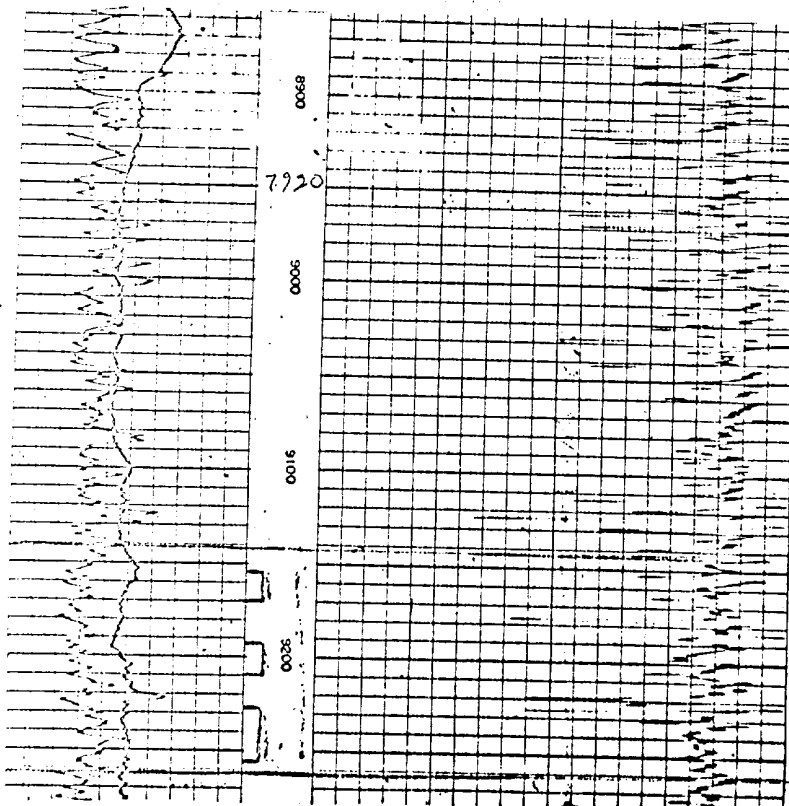
Gamma Ray



Sonic

T/Glorieta (5842)

T/Blinbry (6265)



T/Abo (7920)



B/Abo (9262)

No. 077171

SENT TO Phillips Petrole Co.		POSTMARK OR DATE  9-9-65
STREET AND NO. Box 2105		
CITY, STATE, AND ZIP CODE Hobbs, New Mexico		
If you want a return receipt, check which <input type="checkbox"/> 10¢ shows to whom and when delivered <input type="checkbox"/> 35¢ shows to whom, when, and address where delivered If you want delivery only to addressee, check here <input type="checkbox"/> 50¢ fee		
FEEs ADDITIONAL TO 20¢ FEE		
POD Fbrm 3800 July 1963 NO INSURANCE COVERAGE PROVIDED— (See other side) NOT FOR INTERNATIONAL MAIL		

No. 077170

SENT TO Texaco Inc.		POSTMARK OR DATE  9-9-65
STREET AND NO. Box 728		
CITY, STATE, AND ZIP CODE Hobbs, New Mexico		
If you want a return receipt, check which <input type="checkbox"/> 10¢ shows to whom and when delivered <input type="checkbox"/> 35¢ shows to whom, when, and address where delivered If you want delivery only to addressee, check here <input type="checkbox"/> 50¢ fee		
FEEs ADDITIONAL TO 20¢ FEE		
POD Fbrm 3800 July 1963 NO INSURANCE COVERAGE PROVIDED— (See other side) NOT FOR INTERNATIONAL MAIL		

No. 077172

SENT TO Tidewater Oil Co.		POSTMARK OR DATE  9-9-65
STREET AND NO. Box 547		
CITY, STATE, AND ZIP CODE Hobbs, New Mexico		
If you want a return receipt, check which <input type="checkbox"/> 10¢ shows to whom and when delivered <input type="checkbox"/> 35¢ shows to whom, when, and address where delivered If you want delivery only to addressee, check here <input type="checkbox"/> 50¢ fee		
FEEs ADDITIONAL TO 20¢ FEE		
POD Fbrm 3800 July 1963 NO INSURANCE COVERAGE PROVIDED— (See other side) NOT FOR INTERNATIONAL MAIL		

No. 077173

SENT TO Marathon Oil Co.		POSTMARK OR DATE  9-9-65
STREET AND NO. Box 2107		
CITY, STATE, AND ZIP CODE Hobbs, New Mexico		
If you want a return receipt, check which <input type="checkbox"/> 10¢ shows to whom and when delivered <input type="checkbox"/> 35¢ shows to whom, when, and address where delivered If you want delivery only to addressee, check here <input type="checkbox"/> 50¢ fee		
FEEs ADDITIONAL TO 20¢ FEE		
POD Fbrm 3800 July 1963 NO INSURANCE COVERAGE PROVIDED— (See other side) NOT FOR INTERNATIONAL MAIL		

No. 077169

SENT TO Mobil Oil Company		POSTMARK OR DATE  9-9-65
STREET AND NO. Box 1800		
CITY, STATE, AND ZIP CODE Hobbs, New Mexico		
If you want a return receipt, check which <input type="checkbox"/> 10¢ shows to whom and when delivered <input type="checkbox"/> 35¢ shows to whom, when, and address where delivered If you want delivery only to addressee, check here <input type="checkbox"/> 50¢ fee		
FEEs ADDITIONAL TO 20¢ FEE		
POD Fbrm 3800 July 1963 NO INSURANCE COVERAGE PROVIDED— (See other side) NOT FOR INTERNATIONAL MAIL		

CERTIFIED

No. 077171

MAIL

CERTIFIED

No. 077170

MAIL

CERTIFIED

No. 077172

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No. 077173

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No. 077169

MAIL

Sep 17 11 14 AM '65

# CONTINENTAL OIL COMPANY

P. O. BOX 460  
HOBBS, NEW MEXICO

1001 NORTH TURNER  
TELEPHONE: EX 3-4141

September 14, 1965

T

KAGER

PP

New Mexico Oil Conservation Commission  
P. O. Box 2088  
Santa Fe, New Mexico

Attention of Mr. A. L. Porter, Jr., Secretary-Director

Gentlemen:

re: Application to Multiple  
Complete State H--35  
No. 7, Section 35, T-17S,  
R-34E, Lea County, New  
Mexico

In accordance with the verbal request of Mr. Eric Engbrecht of your Hobbs office, we forward herewith two copies of a revised schematic diagram and the proposed work-over procedure for the captioned well.

You will note from the schematic that we propose to isolate the Wolfcamp by means of a drillable bridge plug so that we may re-enter the Wolfcamp at a later date.

We trust that the data incorporated in both attachments will be sufficient for your needs. However, if you should desire additional information, please advise.

Your cooperation in this matter is sincerely appreciated.

Yours very truly,



GCJ-DFW  
Enc.

cc: NMOCC-Hobbs GW JWK



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CONTINENTAL OIL COMPANY  
Proposed Completion  
State H-35 Well No. 7

Glorieta

Abo

13 3/8" surface casing  
set at 375'

9 5/8" casing at 4950 w/  
300 sx cement

2 3/8" tubing

Proposed:  
Glorieta perfs: 5966,  
5982, 5984, 5988, 5996,  
6000, 6010.

"Full bore" packer at 9000'  
(Baker Packer)

2 7/8" tubing

Abo Perfs: 9154-70,  
9193-9210, 9228-56.

Drillable BP at 9500

Temp. Abandoned: (Proposed)  
Wolfcamp perfs 9620-9808,  
9948-10,066

7" casing at 12,413 w/1750  
sx cement. Top cement at  
6680. See attached plan  
for remedial procedure.

## PROPOSED PROCEDURE

1. Rig up DD Unit.
2. Install BOP and load hole w/oil or treated water.
3. Pull tubing and "full bore" packer @ 9499.
4. Set drillable BP @ 9500'.
5. Set ret. BP @ 6125 and spot 2 sx sd on top.
6. Perf 2 holes @ 6100'.
7. Set full bore packer @ 6100 and squeeze w/150 sx Class "C" cement.
8. If cement does not circ. perf 2 hole @ 5850 and squeeze w/150 sx Class "C" cement.
9. Drill out cement.
10. Perf 5966, 5982, 5984, 5988, 5996, 6000, and 6010 w/1 JSPF.
11. Acidize perfs w/1500 gal 15% HCL.
12. Swab back acid water and test.
13. Run dual completion equipment and set "full bore" packer at 9000'. (Baker Packer)

CONTINENTAL OIL COMPANY  
Proposed Completion  
State H-35 Well No. 7

Glorieta

Abo

13 3/8" surface casing  
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LAND OFFICE	
OPERATOR	

NEW MEXICO OIL CONSERVATION COMMISSION

SEP 2 1 04 PM '65

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

5a. Indicate Type of Lease  
State ☒ Fee ☐  
5. 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" (FORM C-101) FOR SUCH PROPOSALS.)

1. OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/>	7. Unit Agreement Name
2. Name of Operator Continental Oil Company	8. Farm or Lease Name State H-35
3. Address of Operator Box 460, Hobbs, N.M.	9. Well No. 7
4. Location of Well UNIT LETTER <u>B</u> <u>660</u> FEET FROM THE <u>North</u> LINE AND <u>1780</u> FEET FROM THE <u>East</u> LINE, SECTION <u>35</u> TOWNSHIP <u>17-S</u> RANGE <u>34-E</u> NMPM.	10. Field and Pool, or Wildcat Vacuum-Wolfcamp
15. Elevation (Show whether DF, RT, GR, etc.) 4056 DF	12. County Lea

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 Recomplete in Vacuum Glorieta ☒

SUBSEQUENT REPORT OF:

PLUG AND ABANDON ☐  
CHANGE PLANS ☐  
REMEDIAL WORK ☐  
COMMENCE DRILLING OPNS. ☐  
CASING TEST AND CEMENT JOB ☐  
OTHER ☐  
ALTERING CASING ☐  
PLUG AND ABANDONMENT ☐

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

The subject well was dual completed 10-28-63 in the Vacuum Wolfcamp formation (9808-9948) and Abo (9154-9256). Latest test, Wolfcamp (6-6-65) pumped 21 BO, 2 BW in 24 hrs W/28.4 MCFGas. Abo pumped 49 BO, no water in 24 hours W/55 MCFGPD.

Offset and structural data indicates this well to have top allowable Glorieta reserves.

Since past production records indicate a daily production of 15 BOPD from the Wolfcamp, it is proposed to recomplete this well in the Glorieta and Abo and temporarily abandoning the Wolfcamp formation by setting drillable Bridge plug @ 9499', squeezing cement behind pipe over zones of interest, perforating, treating and dual completing with the Abo zone.

Your permission respectfully requested.

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

SIGNED H. R. Stephens TITLE Staff Supervisor DATE 8-31-65

APPROVED BY [Signature] TITLE \_\_\_\_\_ DATE \_\_\_\_\_

CONDITIONS OF APPROVAL, IF ANY:

NMCCC-3, File

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	GAS
PRODUCTION OFFICE	
OPERATOR	

Revised 7/1/88  
HOBBS OFFICE O.C.C.

NEW MEXICO OIL CONSERVATION COMMISSION  
Santa Fe, New Mexico


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 QUINTUPLICATE If State Land submit 5 Copies

AREA 640 ACRES  
LOCATE WELL CORRECTLY

Continental Oil Company  
(Company or Operator)

State H-35  
(Lease)

Well No. 7, in NW 1/4 of NE 1/4, of Sec. 35, T. 17S, R. 34E, NMPM.  
Undesignated Wolfcamp and Abo Pool, Lea County.

Well is 660 feet from North line and 1780 feet from East line

of Section 35-17S-34E. If State Land the Oil and Gas Lease No. is B-3196

Drilling Commenced 2-6, 1963 Drilling was Completed 5-4, 1963

Name of Drilling Contractor Sharp Drilling Company

Address P. O. Box 1271, Midland, Texas

Elevation above sea level at Top of Tubing Head 4012  
The information given is to be kept confidential until not confidential, 19

OIL SANDS OR ZONES

No. 1, from 9154 to 9256 No. 4, from to  
No. 2, from 9620 to 10066 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 to feet.  
No. 2, from to 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
13 3/8	48#	New	353	Guide			Surface
9 5/8	40 & 36#	New	4975	Guide			Intermediate
7	Various	New	12,464	Guide		See Below	Oil

MUDDING AND CEMENTING RECORD

SIZE OF HOLE	SIZE OF CASING	WHERE SET	NO. SACKS OF CEMENT	METHOD USED	MUD GRAVITY	AMOUNT OF MUD USED
17 1/2	13 3/8	375	375	Pump & Plug		
12 1/2	9 5/8	4,950	300	Pump & Plug		
8 3/4	7	12,413	1750	Pump & Plug		

RECORD OF PRODUCTION AND STIMULATION

(Record the Process used, No. of Qts. or Gals. used, interval treated or shot.)

Perforated and tested Devonian, Atoka Penn. & Strawn zones but no commercial production obtained from those zones. Perforated Wolfcamp 9948-60, 10,000-66 w/1 JSPP. Acidized w/4,000 gals. Perf. Wolfcamp 9620-40, 9730-50 and 9800-08 w/1 JSPP. Acidized w/4,000 gals. Perf. Abo 9154-70, 9193-9210 & 9228-56 w/1 JSPP. Acidized w/10,000 gals. slick acid w/Adomall. Retreated Result of Production Stimulation perfs. w/20,000 gals. acid free.  
See reverse side for production for first 24 hours.

Depth Cleaned Out

NMOCC (5) SLO ABS FILE

# RECORD OF DRILL-STEM AND SPECIAL TESTS

If drill-stem or other special tests or deviation surveys were made, submit report on separate sheet and attach hereto

## TOOLS USED

Rotary tools were used from 0 feet to 12,413 feet, and from feet to feet.  
Cable tools were used from feet to feet, and from feet to feet.

Abo-6-13-63

## PRODUCTION

Put to Producing Wolfeamp 5-27-63, 19 Abo - 160 100  
OIL WELL: The production during the first 24 hours was Wolfeamp - 192 barrels of liquid of which 92 % was  
was oil; 38 % was emulsion; 8 % water; and 0 % was sediment. A.P.I.  
Gravity 42

GAS WELL: The production during the first 24 hours was M.C.F. plus barrels of  
liquid Hydrocarbon. Shut in Pressure lbs.  
Length of Time Shut in

PLEASE INDICATE BELOW FORMATION TOPS (IN CONFORMANCE WITH GEOGRAPHICAL SECTION OF STATE):

### Southeastern New Mexico

### Northwestern New Mexico

T. Anhy 1511	T. Devonian 12,222	T. Ojo Alamo
T. Salt 1623	T. Silurian	T. Kirtland-Fruitland
B. Salt	T. Montoya	T. Farmington
T. Yates 2814	T. Simpson	T. Pictured Cliffs
T. 7 Rivers	T. McKee	T. Menefee
T. Queen 3716	T. Ellenburger	T. Point Lookout
T. Grayburg	T. Gr. Wash	T. Mancos
T. San Andres 4403	T. Granite	T. Dakota
T. Glorieta 5843	T. Yaso 5952	T. Morrison
T. Drinkard	T. Wolfeamp 9262	T. Penn
T. Tubbs 7270	T. Strawn 10853	
T. Abo 7930	T. Woodford 12100	
T. Penn 10108		
T. Miss 11478		

## FORMATION RECORD

From	To	Thickness in Feet	Formation	From	To	Thickness in Feet	Formation
0	1510	1510	surf sds & red beds	11100	11490	390	shale sd, lime
1510	1620	110	anhy	11490	12100	610	lime, chert
1620	2650	1030	salt	12100	12220	120	shale, lime
2650	2800	150	anhy	12220	12413	193	dolo and lime
2800	3000	200	sd. anhy, salt				
3000	3720	720	dolo, anhy, sand				
3720	3740	20	sand				
3740	4050	310	dolo, anhy, sd				
4050	4400	350	dolo, anhy, sand				
4400	5480	1080	dolo, sand				
5480	5840	360	lime, dolo, chert				
5840	5950	110	sand, lime, dolo				
5950	6020	70	lime, dolo				
6020	6060	40	dolo				
6060	6100	40	lime, dolo				
6100	6700	600	dolo, sd				
6700	7950	1250	dolo, tr sd				
7950	9320	1370	dolo, green sd				
9320	10100	780	lime, dolo, chert, shale				
10100	11100	1000	shale & lime				

ATTACH SEPARATE SHEET IF ADDITIONAL SPACE IS NEEDED

I hereby swear or affirm that the information given herewith is a complete and correct record of the well and all work done on it so far as can be determined from available records.

November 5, 1963

Company or Operator Continental Oil Company

Address Box 460, Hobbs, New Mexico

Name J. E. Green

Position Title Asst. District Superintendent