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Form C-105
Revised 11-1-78

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

5a. Indicate Type of Lease	
State ☒	Fee ☐
5. State Oil & Gas Lease No.	
LG-5543	

10. TYPE OF WELL	
OIL WELL ☒	GAS WELL ☐ DRY ☐ OTHER ☐
11. TYPE OF COMPLETION	
NEW WELL ☒ WORK OVER ☐ DEEPEN ☐	PLUG BACK ☐ DIFF. RESVR. ☐ OTHER ☐

7. Unit Agreement Name
8. Farm or Lease Name
Lea "YH" State
9. Well No.
2
10. Field and Pool, or Wildcat
Airstrip ^{upper} Bone Springs

12. Name of Operator	
GULF OIL CORPORATION	
13. Address of Operator	
P.O. Box 670, Hobbs, NM 88240	

14. Location of Well	
UNIT LETTER <u>P</u>	LOCATED <u>660</u> FEET FROM THE <u>South</u> LINE AND <u>660</u> FEET FROM THE <u>East</u> LINE OF SEC. <u>25</u> TWP. <u>18S</u> RGE. <u>34E</u>

11. County
Lea

15. Date Spudded	16. Date T.D. Reached	17. Date Compl. (Ready to Prod.)	18. Elevations (DF, RKB, RT, GR, etc.)	19. Elev. Casinghead
8-27-79	9-18-79	10-10-79	3961' GL	--
20. Total Depth	21. Plug back T.D.	22. If Multiple Compl., How Many	23. Intervals Drilled By	24. Rotary Tools
10,400'	9705'	Single	0-10,400'	--
24. Producing Interval(s), of this completion - Top, Bottom, Name				25. Was Directional Survey Made
9292' - 9350' Bone Springs				No

26. Type Electric and Other Logs Run	27. Was Well Cored
Compensated Neutron, Formation Density, Dual Laterolog	No

CASING RECORD (Report all strings set in well)					
CASING SIZE	WEIGHT LB. FT.	DEPTH SET	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED
11-3/4"	42#	300'	14-3/4"	300 sx - circulated	
8-5/8"	24#	3420'	11"	850 sx - circulated	
5 1/2"	17 & 15.5#	10,400'	7-7/8"	650 sx - TSITOC @ 7410'	

LINER RECORD				TUBING RECORD		
SIZE	TOP	BOTTOM	SACKS CEMENT	SCREEN	SIZE	DEPTH SET
					2-3/8"	9228'

28. Perforation Record (Interval, size and number) 9292-94'; 9305-07'; 9318-20'; 9337-39'; & 9348-50' w/(2) 1/2" burrless, decentralized, zero-phased JHPF.	29. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.	
	DEPTH INTERVAL	AMOUNT AND KIND MATERIAL USED
	9292-9350'	5000 gal 20% NE iron-stabilize inhibited slick HCl & (40)
		7/8" RCNBS

30. PRODUCTION							
Date First Production	Production Method (Flowing, gas lift, pumping - Size and type pump)						
10-10-79	Flowing						
Well Status (Prod. or Shut-in)							
Producing							
Date of Test	Hours Tested	Casing Size	Pressure Per Test Period	Oil - BBL	Gas - MCF	Water - BBL	Gas - Oil Ratio
10-15-79	24 hrs	20/64"	288	288	330	0	1,146
Flow Turning Press.	Casing Pressure	Calculated 14-Hour Rate	Oil - BBL	Gas - MCF	Water - BBL	Oil Gravity - API (Corr.)	
375#	--	288	288	330	0	36.9°	

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

35. List of Attachments
DSTs

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 <u>MRS. Sikes by C. E. Martin</u>	TITLE <u>Area Engineer</u>	DATE <u>10-16-79</u>
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INSTRUCTIONS

This form is to be filed with the State 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 in 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. Anhy _____	T. Canyon _____	T. Ojo Alamo _____	T. Penn. "B" _____
T. Salt _____	T. Strawn _____	T. Kirtland-Fruitland _____	T. Penn. "C" _____
B. Salt _____	T. Atoka _____	T. Pictured Cliffs _____	T. Penn. "D" _____
T. Yates _____	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 _____	T. Simpson _____	T. Gallup _____	T. Ignacio Qtzte _____
T. Glorieta _____	T. McKee _____	Base Greenhorn _____	T. Granite _____
T. Paddock _____	T. Ellenburger _____	T. Dakota _____	T. _____
T. Blinberry _____	T. Gr. Wash _____	T. Morrison _____	T. _____
T. Tubb _____	T. Granite _____	T. Todilto _____	T. _____
T. Drinkard _____	T. Delaware Sand 5948'	T. Entrada _____	T. _____
T. Abe _____	T. Bone Springs 7675'	T. Wingate _____	T. _____
T. Wolfeamp _____	T. 1st B.S. 9099'	T. Chinle _____	T. _____
T. Penn. _____	T. 2nd B.S. 9384'	T. Permian _____	T. _____
T. Cisco (Bough C) _____	T. 3rd B.S. 10,206'	T. Penn. "A" _____	T. _____

OIL OR GAS SANDS OR ZONES

No. 1, from 9100 to 9400 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 _____ 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
5948	7675		Delaware				
7675	9099		Bone Springs				
9099	9384		1st Bone Springs				
9384	10,200		2nd Bone Springs				
10,200			3rd Bone Springs				

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O.G.D. HOBBES OFFICE

Gulf Oil Corporation
P. O. Box 670 Hobbs, NM 240
Lea "YH" State #2
Attachment to C-105
Drill Stem Tests

DST #1 9160-9360' (200') Open tool @ 6:45AM, 9-12-79 w/good blow throughout 5 min IF. Close tool for 60 min ISI. Open tool for 90 min FF w/good blow on 3/4" choke - 76 MCFPD - Close tool for 180 min FSI. Rlsd pkr, POH 120'; rvrsd out - recovd 1100' oil, 400' GCW & 4000' FW. POH, LD test tools. IHP 4434; IFP 704 to 704 5 min - ISIP 3448 - 60 min. FFP 704 to 1297 90 min FSIP 3286 - FHP 4362. Drlg flu chl 12,000 ppm - chl of recovery 68,000 ppm. Sampler 1600cc; 37 gr oil, 50 cc wtr 65,000 ppm & 1 cu ft gas. BHT 136°.

DST #2 9348-9451' (103') Open tool @ 4A, 9-14-79 w/weak blow. Weak blow throughout final no GTS. Recovered 2' free oil, 30' drlg flu. Sampler no psi, no gas, recov'd 2400cc drlg flu, tr oil. IHP 4472; IFP 127# @ 5 min, FHP 4430, FFP 105# @ 90 min ISIP 211#, @ 60 min FSIP 423# @ 270 min. BHT 138° - chl drlg flu 60,000 ppm. Chl of flu recovd 62,000ppm.

DST #3 10,195-10,400' (205') Tool open 6 min w/very weak blow. 60 min ISI. Fin FF, SI for 3 hrs, pull tool loose, rvrsd out, recovd 100' drlg flu. Very weak blow on preflow, no blow on final IHP 4974#, IFP 148# @ 60 min; ISIP 169 @ 60 min; FSIP 338 @ 240 min; 150° @ 10,394. CL ion drlg flu 57,000ppm - CL ion of recovd flu 75,000ppm. Res of drlg flu .24 @ 64°. Res of recovd flu .14 @ 90°. Sampler 2400cc drlg flu CL 72,000ppm, res .14 @ 90°. No gas or oil or psi.