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Form C-105
Revised 1-1-65

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.	

1a. TYPE OF WELL		OIL WELL ☐		GAS WELL ☒		DRY ☐		OTHER ☐		141984	
b. TYPE OF COMPLETION		NEW WELL ☒		WORK OVER ☐		DEEPEN ☐		PLUG BACK ☐		DIFF. RESVR. ☐	
2. Name of Operator		SOVEREIGN OIL COMPANY		3. Address of Operator		7490 Clubhouse Rd., Suite 102, Boulder, CO 80301		4. Location of Well		E	
UNIT LETTER		LOCATED		1730		FEET FROM THE		N		LINE AND 800 FEET FROM	
THE W		LINE OF SEC. 9		TWP. 32N		RGE. 6		W NMPM		12. County	
15. Date Spudded		16. Date T.D. Reached		17. Date Compl. (Ready to Prod.)		18. Elevations (DF, R&B, RT, GR, etc.)		19. Elev. Casinghead		20. Total Depth	
1/21/83		1/29/83		4/14/84		6157 Gr; 6169' KB		6159'		3181'	
21. Plug Back T.D.		22. If Multiple Compl., How Many		23. Intervals Drilled By		Rotary Tools		Cable Tools		24. Producing Interval(s), of this completion - Top, Bottom, Name	
3115'				All				0		Pictured Cliffs - 2826' to 3020'	
25. Was Directional Survey Made		26. Type Electric and Other Logs Run		27. Was Well Cored				yes		no	
Gearhart IES \$ GR/D/N		Blue Jet CBL									
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 New		256		12 1/4		250 sax 48 CaCl ₂ 288 cu ft		0	
4 1/2"		11.6 New		3180		7 7/8		302 sax HOWCO lite 556 cu ft		0	
								cmt and 150 sax 177 cu ft			
								class B cement			
29. LINER RECORD											
SIZE		TOP		BOTTOM		SACKS CEMENT		SCREEN		30. TUBING RECORD	
None										SIZE	
										DEPTH SET	
										2 3/8	
										2860'	
										PACKER SET	
										None	
31. Perforation Record (Interval, size and number)											
Pictured cliffs with 17 (0.34") jets by Blue Jet at 2826'-30'-32'-46'-50'-54'-61'; 2916'-18'-48'-52'-56'-82'-88'-96'; 3000'-20'											
32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.											
DEPTH INTERVAL						AMOUNT AND KIND MATERIAL USED					
2826' - 3020'						250 gal 15% HCl. & Foam					
Frac w/70						quality foam; 80,000					
#20/40 sd. by						HOWCO					
33. PRODUCTION											
Date First Production				Production Method (Flowing, gas lift, pumping - Size and type pump)				Well Status (Prod. or Shut-in)			
await pipeline connection				Flow				shut-in			
Date of Test		Hours Tested		Choke Size		Prod'n. For Test Period		Oil - Bbl.		Gas - MCF	
4-14-84		3		0.75 C.N.				0		111	
Flow Tubing Press.		Casing Pressure		Calculated 24-Hour Rate		Oil - Bbl.		Gas - MCF		Water - Bbl.	
61 psig		454 psig				0		891		Est. 100	
34. Disposition of Gas (Sold, used for fuel, vented, etc.)										Test Witnessed By	
Vent on test - To be sold to Northwest Pipeline											
35. List of Attachments											
3 hr Flow test Form C-122											
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				TITLE				DATE			
M. R. M. Coy				Chief Geologist				5/04/84			

INSTRUCTIONS

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

INDICATE FORMATION TOPS IN CONFORMANCE WITH GEOGRAPHICAL SECTION OF STATE

Southeastern New Mexico

Northwestern New Mexico

T. Anhy _____	T. Canyon _____	T. Ojo Alamo <u>1572</u>	T. Penn. "B" _____
T. Salt _____	T. Strawn _____	T. Kirtland-Fruitland <u>1621</u>	T. Penn. "C" _____
B. Salt _____	T. Atoka _____	T. Pictured Cliffs <u>2781</u>	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 Qtzite _____
T. Glorieta _____	T. McKee _____	Base Greenhorn _____	T. Granite _____
T. Paddock _____	T. Ellenburger _____	T. Dakota _____	T. _____
T. Blinebry _____	T. Gr. Wash _____	T. Morrison _____	T. _____
T. Tubb _____	T. Granite _____	T. Todilto _____	T. _____
T. Drinkard _____	T. Delaware Sand _____	T. Entrada _____	T. _____
T. Abo _____	T. Bone Springs _____	T. Wingate _____	T. _____
T. Wolfcamp _____	T. _____	T. Chinle _____	T. _____
T. Penn. _____	T. _____	T. Permian _____	T. _____
T. Cisco (Bough C) _____	T. _____	T. Penn. "A" _____	T. _____

FORMATION RECORD (Attach additional sheets if necessary)

From	To	Thickness in Feet	Formation	From	To	Thickness in Feet	Formation
<u>Measured Depths</u>				<u>True Vertical Depths</u>			
1376	1572	196	Animas	1376	1520	194	Animas
1572	1621	49	Ojo Alamo	1570	1619	49	Ojo Alamo
1621	2580	959	Kirtland	1619	2560	941	Kirtland
2580	2781	201	Fruitland	2560	2750	190	Fruitland
2781	3062	281	Pictured Cliffs	2750	3030	280	Pictured Cliffs
3062			Lewis	3030			Lewis