

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUBMIT IN DUPLICATE*

(See other instructions on reverse side)

Form approved.
Budget Bureau No. 42-R355.5.

WELL COMPLETION OR RECOMPLETION REPORT AND LOG *

1a. TYPE OF WELL:		OIL WELL ☐	GAS WELL ☒	DRY ☐	Other ☐	5. LEASE DESIGNATION AND SERIAL NO.	
b. TYPE OF COMPLETION:		NEW WELL ☒	WORK OVER ☐	DEEP-EN ☐	PLUG BACK ☐	DIFF. RESVR. ☐	6. IF INDIAN, ALLOTTEE OR TRIBE NAME
2. NAME OF OPERATOR		Sher-Alon Oil Company				JICARILLA	
3. ADDRESS OF OPERATOR						UNIT AGREEMENT NAME	
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)*		At surface 1850' from the South line and 1850' from the West line				7. FARM OR LEASE NAME	
At top prod. interval reported below						Jicarilla "I" No. 163	
At total depth						9. WELL NO.	
						3	
14. PERMIT NO.		DATE ISSUED				10. FIELD AND POOL, OR WILDCAT	
						So Blanco PC	
15. DATE SPUDDED		16. DATE T.D. REACHED		17. DATE COMPL. (Ready to prod.)		11. SEC., T., R., M., OR BLOCK AND SURVEY OR AREA	
10-8-63		10-11-63		11-10-63		23 - 23N - 2W	
18. ELEVATIONS (DF, RKB, RT, GR, ETC.)*		19. ELEV. CASINGHEAD		12. COUNTY OR PARISH		13. STATE	
OL 7361.5'				Sandoval		New Mexico	
20. TOTAL DEPTH, MD & TVD		21. PLUG, BACK T.D., MD & TVD		22. IF MULTIPLE COMPL., HOW MANY*		23. INTERVALS DRILLED BY	
3090'						ROTARY TOOLS	
24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)*		25. WAS DIRECTIONAL SURVEY MADE		26. TYPE ELECTRIC AND OTHER LOGS RUN		27. WAS WELL CORED	
3024-3040		yes		correlation and electric logs		no	
28. CASING RECORD (Report all strings set in well)							
CASING SIZE	WEIGHT, LB./FT.	DEPTH SET (MD)	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED		
7 5/8"		100'	10 3/4"	30 sacks			
4 1/2"	9.50	3090'	6 3/4"	100 sacks			
29. LINER RECORD							
SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)	30. TUBING RECORD		
					SIZE	DEPTH SET (MD)	PACKER SET (MD)
					1"	3031'	
31. PERFORATION RECORD (Interval, size and number)				32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.			
3024-3040 with 4 holes per foot				Free treated down casing w/40,000 sand and 40,000 gal. water. Break-down pressure 2000 psi. Treating pres. 2000-2200 psi. ISI 800 psi inj. rate 70 bbls per minute			
33.* PRODUCTION							
DATE FIRST PRODUCTION		PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump)				WELL STATUS (Producing or shut-in)	
Shut-in						shut-in	
DATE OF TEST	HOURS TESTED	CHOKE SIZE	PROD'N. FOR TEST PERIOD	OIL—BBL.	GAS—MCF.	WATER—BBL.	GAS-OIL RATIO
11-10-63	3 hr	3/4"			2,691		
FLOW. TUBING PRESS.	CASING PRESSURE	CALCULATED 24-HOUR RATE	OIL—BBL.	GAS—MCF.	WATER—BBL.	OIL GRAVITY-API (CORR.)	
923	933						
34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.)				TEST WITNESSED BY			
to be sold							
35. LIST OF ATTACHMENTS							
Open Flow Test Data Chart							
36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records							
SIGNED		TITLE		DATE			
[Signature]		Mgr. of Lands & Explorations		12-7-63			

*(See Instructions and Spaces for Additional Data on Reverse Side)

INSTRUCTIONS

General: This form is designed for submitting a complete and correct well completion report and log on all types of lands and leases to either a Federal agency or a State agency, or both, pursuant to applicable Federal and/or State laws and regulations. Any necessary special instructions concerning the use of this form and the number of copies to be submitted, particularly with regard to local, area, or regional procedures and practices, either are shown below or will be issued by, or may be obtained from, the local Federal and/or State office. See instructions on items 22 and 24, and 33, below regarding separate reports for separate completions.

If not filed prior to the time this summary record is submitted, copies of all currently available logs (drillers, geologists, sample and core analysis, all types electric, etc.), formation and pressure tests, and directional surveys, should be attached hereto, to the extent required by applicable Federal and/or State laws and regulations. All attachments should be listed on this form, see item 35.

Item 4: If there are no applicable State requirements, locations on Federal or Indian land should be described in accordance with Federal requirements. Consult local State or Federal office for specific instructions.

Item 18: Indicate which elevation is used as reference (where not otherwise shown) for depth measurements given in other spaces on this form and in any attachments. **Items 22 and 24:** If this well is completed for separate production from more than one interval zone (multiple completion), so state in item 22, and in item 24 show the producing interval, or intervals, top(s), bottom(s) and name(s) (if any) for only the interval reported in item 33. Submit a separate report (page) on this form, adequately identified, for each additional interval to be separately produced, showing the additional data pertinent to such interval.

Item 29: "Sacks Cement": Attached supplemental records for this well should show the details of any multiple stage cementing and the location of the cementing tool.

Item 33: Submit a separate completion report on this form for each interval to be separately produced. (See instruction for items 22 and 24 above.)

37. SUMMARY OF POROUS ZONES:

SHOW ALL IMPORTANT ZONES OF POROSITY AND CONTENTS THEREOF; CORED INTERVALS; AND ALL DRILL-STEM TESTS, INCLUDING DEPTH INTERVAL TESTED, CUSHION USED, TIME TOOL OPEN, FLOWING AND SHUT-IN PRESSURES, AND RECOVERIES

38. GEOLOGIC MARKERS

FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.	NAME		TOP	
						MEAS. DEPTH	TRUE VERT. DEPTH
Ojo Alamo	2632'						
Kirtland	2860'						
Fruitland	2937'						
Pic. Cliffs	3016'						
TD	3090'						

OPEN FLOW TEST DATA

Date: Nov. 10, 1965

Operator: Shar Alan Oil Co Lease: Jicarilla I # 3

Location: SE/4 Sec. 23 23N 2W County: Rio Arriba State: N. M.

Formation: Pictured Cliff Pool: South Blanco

Casing: 4 1/2 " Set 3085 ' Tubing: 1" EUE " Set 3031

Pay Zone: 3024 ' To: 3040 ' Total Depth: 3090

Choke Size: 3/4 THC " Choke Constant = C = 12.365

Stimulation Method: _____ Flow Through: Casing X Tubing _____

Shut-in Pressure Casing: 935 psig / 12 = 947 psia (Shut-in 72 days)

Shut-in Pressure Tubing: 925 psig / 12 = 937 psia

Flowing Pressure: P : 198 psig / 12 = 210 psia

Working Pressure: P_w : _____ psig / 12 = 221 psia Calculated

Temperature: T : 42 °F / 460 = 502 °Absolute

F_{pv} (from tables) : 1.026 Gravity .670 Est n 85

$$\text{Choke Volume} = Q = C \times P_t \times F_t \times F_g \times F_{pv}$$

$$12.365 \times 210 \times 1.0178 \times .9463 \times 1.026 = \underline{2566} \text{ MCF/D}$$

Open Flow - Aof = Q

$$Aof = \left[\frac{P_c^2 - P_w^2}{847,968} \right]^{1/n} = 1.0576 = 1.0487$$

$$Aof = \underline{2691} \text{ MCF/D}$$

Tested By: _____

Witnessed By: _____



GeoElectric Inc.

B. H. Hayes

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