

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

SUBMIT IN DUPLICATE\*

(See other in-  
structions on  
reverse side)Form Approved.  
Budget Bureau No. 42-R355.5.

## WELL COMPLETION OR RECOMPLETION REPORT AND LOG\*

1a. TYPE OF WELL:	OIL WELL <input type="checkbox"/>	GAS WELL <input checked="" type="checkbox"/>	DRY <input type="checkbox"/>	Other <input type="checkbox"/>		
b. TYPE OF COMPLETION:	NEW WELL <input type="checkbox"/>	WORK OVER <input checked="" type="checkbox"/>	DEEP-EN <input type="checkbox"/>	PLUG BACK <input checked="" type="checkbox"/>	DIFF. RESVR. <input checked="" type="checkbox"/>	Other <input type="checkbox"/>
2. NAME OF OPERATOR						
S. E. R. H. Inc.						
3. ADDRESS OF OPERATOR						
c/o A. R. Kendrick, Box 516, Aztec, N. M. 87410						
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)*						
At surface 2230' fSL; 1780' fEL Unit J						
At top prod. interval reported below						
At total depth Same						
14. PERMIT NO.						
API #30-045-25283						
DATE ISSUED						
?						

5. LEASE DESIGNATION AND SERIAL NO.	Navajo Operating Agreement
6. IF INDIAN, ALLOTTEE OR TRIBE NAME	Navajo Nation
7. UNIT AGREEMENT NAME	
8. FARM OR LEASE NAME	Navajo Nation 29
9. WELL NO.	3
10. FIELD AND POOL, OR WILDCAT	Big Gap Organ Rock
11. SEC. T., R., M., OR BLOCK AND SURVEY OR AREA	29-27N-19W NMPM
12. COUNTY OR PARISH	San Juan
13. STATE	New Mexico

15. DATE SPUDDED	12-6-81	16. DATE T.D. REACHED	12-23-81	17. DATE COMPL. (Ready to prod.)	11/30/87	18. ELEVATIONS (DF, RKB, RT, GR, ETC.)*	5799' Gr., 5814' KB	19. ELEV. CASINGHEAD	5800'
20. TOTAL DEPTH, MD & TVD	5675	21. PLUG, BACK T.D., MD & TVD	3769' on WO	22. IF MULTIPLE COMPL., HOW MANY*		23. INTERVALS DRILLED BY	Rotary Tools	Cable Tools	
24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)*									
On workover - Organ Rock 3682' to 3721'									

26. TYPE ELECTRIC AND OTHER LOGS RUN	27. WAS WELL CORRED
Welex TMD & CBL on workover	

28. CASING RECORD (Report all strings set in well)				
CASING SIZE	WEIGHT, LB./FT.	DEPTH SET (MD)	HOLE SIZE	CEMENTING RECORD
8-5/8"	24#	601'	10-3/4 ?	350 sx.
4 1/2	10.5#	5670'	7-7/8"	1st. stage 350 sx.
				DV & 2nd stage w/100 @ 1420' 0

29. LINER RECORD None					30. TUBING RECORD		
SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)
					2-3/8"	3710'	None

31. PERFORATION RECORD (Interval, size and number)		32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.	
On Workover - Sq. perf's @ 3804'; 3585' & 3572'.		DEPTH INTERVAL (MD)	
Producing perf's - 0.31" Welex 2jpf 3682' - 3700' & 3714' - 21' Total 25'		AMOUNT AND KIND OF MATERIAL USED	
		3804' back 3585' Sq. 150 sx. behind 4 1/2" csg.	
		3572' Sq. 75 sx. cement	
		3572' Spot & sq. 25 sx. cement	
		3682' - 3714' 1000 gal. HOWCO 10% MSA	

33. PRODUCTION							
DATE FIRST PRODUCTION		PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump)				WELL STATUS (Producing or shut-in)	
		Flow				SI for connection	
DATE OF TEST	HOURS TESTED	CHOKE SIZE	PROD'N. FOR TEST PERIOD	OIL—BBL.	GAS—MCF.	WATER—BBL.	GAS-OIL RATIO
11/20/87	3	7/32" CFP		0	13.5	0	-
FLOW. TUBING PRESS.	CASING PRESSURE	CALCULATED 24-HOUR RATE	OIL—BBL.	GAS—MCF.	WATER—BBL.	OIL GRAVITY-API (CORR.)	
116 psig.	200 psig.		0	108	0		

34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.)	TEST WITNESSED BY
Vent to test - To sell to Navajo Refined Helium	DEC 14 1987

35. LIST OF ATTACHMENTS	FARMINGTON RESOURCE AREA
Test data	

36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records	
SIGNED <u>John M. Heller</u>	TITLE <u>Field Agent</u>
John M. Heller	DATE <u>12/2/87</u>

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

NMOCO

# 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 38. 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 FORMER 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

FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.	38. GEOLOGIC MARKERS			
ON WELL WORKOVER IN NOV. 1987				NAME	TOP		FORMATION TOPS should be on file from original completion
					MEAS. DEPTH	TRUE VERT. DEPTH	
Organ Rock	3583'	3858'	Produced inert gasses w/approx. 5% Helium content after stimulation.				
Note: There was no cement behind casing. A cement retainer was set @ 3769' after perforating 8 holes @ 3804' and 4 holes @ 3585'. Were able to get cement to return through upper holes. After acid treatment well made some water. Ran & set plug @ 3617' & perf. sq. holes @ 3572' and recement w/75 sx. Drilled out excess and did not hold pressure. Recement w/25 sx. and clean out. Press. held. Drill out plug, clean up & complete.							