

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUBMIT IN DUPLICATE*

(See other In-
structions on
reverse side)Form approved.
Budget Bureau No. 42-R355.6.

WELL COMPLETION OR RECOMPLETION REPORT AND LOG *

1a. TYPE OF WELL: OIL WELL ☒ GAS WELL ☐ DRY ☐ Other _____

b. TYPE OF COMPLETION:

NEW WELL ☒ WORK OVER ☐ DEEP-EN ☐ PLUG BACK ☐ DIFF. RESVR. ☐ Other _____

2. NAME OF OPERATOR

J. Felix Hickman

3. ADDRESS OF OPERATOR

P. O. Box 1258

Farmington NM 87499

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)*

At surface

900' FNL & 600' FWL

At top prod. interval reported below

At total depth

same

14. PERMIT NO. DATE ISSUED

8-31-83

15. DATE SPUDDED

9-27-83

16. DATE T.D. REACHED

10-13-83

17. DATE COMPL. (Ready to prod.)

11-5-83

18. ELEVATIONS (DF, REB, RT, GR, ETC.)*

7124' RKB

19. ELEV. CASINGHEAD

7112

20. TOTAL DEPTH, MD & TVD

7889

21. PLUG, BACK T.D., MD & TVD

7853

22. IF MULTIPLE COMPL.,
HOW MANY*

2

23. INTERVALS
DRILLED BY

ROTARY TOOLS

0-7889

CABLE TOOLS

24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)*

6732-6870 Gallup

7604-7802 Dakota

25. WAS DIRECTIONAL
SURVEY MADE

NO

26. TYPE ELECTRIC AND OTHER LOGS RUN

IES GR-CNL-Density

27. WAS WELL CORED

NO

CASING RECORD (Report all strings set in well)

CASING SIZE	WEIGHT, LB./FT.	DEPTH SET (MD)	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED
8-5/8"	24	223	12 1/2	150 sx - 177 cuft	circulated
4-1/2"	11.6	7889	6-3/4	910 sx - 1825 cuft	none
				see back of this form for details	

29. LINER RECORD

SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)

30. TUBING RECORD

SIZE	DEPTH SET (MD)	PACKER SET (MD)
2-3/8	6750	none

31. PERFORATION RECORD (Interval, size and number)

7792-7802: 6 shots (2' apart 0.33" dia)
7758-64: 4 shots 6732-46: 8 shots
7650-52: 2 shots 6752-56: 3 shots
7638-44: 4 shots 6764-66: 2 shots
7604-26: 12 shots 6782/92, 6850/56: 1 ea.
6864-70: 4 shots

32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.

DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
7604-7802	see back for details
6732-6870	on these

33.*

PRODUCTION

33.

DATE FIRST PRODUCTION		PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump)					WELL STATUS (Producing or shut-in)	
11-16-83		flowing					S.I.	
DATE OF TEST	HOURS TESTED	CHOKE SIZE	PROD'N. FOR TEST PERIOD	OIL—BBL.	GAS—MCF.	WATER—BBL.	GAS-OIL RATIO	
12-7-83	3	1/2	→	10	22.5	2	225	
FLOW. TUBING PRESS.	CASING PRESSURE	CALCULATED 24-HOUR RATE	OIL—BBL.	GAS—MCF.	WATER—BBL.	OIL GRAVITY-API (CORR.)		
210	572	→	80	180	18(frac)	40		

34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.)

to be sold

TEST WITNESSED BY
Joe Elledge

35. LIST OF ATTACHMENTS

I hereby certify that the foregoing and attached information is complete and correct as determined from a reliable record.

SIGNED

Curtis J. Little

TITLE

Agent

DATE 12-15-83

DEC 20 1983

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

NMOCC

FARMINGTON RESOURCE AREA

BY

S.M.

INSTRUCTIONS

Drilled to 7889'. Ran IES and CNL-FDC open hole logs. Ran 4 1/2" 11.6 lb per foot, N-30, L T&C casing to 7889', with float collar at 7857 and stage collars at 5765' (Mancos Shale) and 3514' (Lewis Shale). Cement first stage with 706 cubic feet 50-50 poz mix + 2% gel + 10 # salt per sack + 0.8% D-60. Circulated through stage tool at 5765' for 3 hours. Cemented second stage with 546 cubic feet 65-35 poz + 6% gel + 10% salt + 6 1/4# gilsonite per sack followed by 59 cubic feet class "B" cement. Circulated through stage tool at 3514' for 3 hours. Cemented third stage with 455 cubic feet 65-35 poz mix + 6% gel + 10% salt + 6 1/4# gilsonite per sack followed by 59 cubic feet class "B" cement. Cement job was complete at 1800 hours 10/14/83. Ran temperature survey at 0400 hours 10-15-83; found pbit at 3510; and cement top at 1900'.

10/29/83 Rig up Dowell and fracture Dakota interval 7604' to 7802' with 78,000 gallons 1% KCL water YF4G(40#/1,000 Guar Gum Gel) with 1 gallon per 1000 surfactant and carrying 99,000 lb. 20-40 sand as follows:

25,000 gal. PAD	35 bpm @ 2850 psi
10,000 gal with 1 1/2# 20-40 sand/gallon	35 bpm @ 2950 psi
10,000 gal with 1# 20-40 sand/gallon	35 bpm @ 2750 psi
10,000 gal with 2# 20-40 sand/gallon	35 bpm @ 2650 psi
10,000 gal with 2 1/2# 20-40 sand/gallon	35 bpm @ 2600 psi
13,000 gal with 3# 20-40 sand/gallon	35 bpm @ 3000 psi
4,956 gal slick water flush	30 bpm @ 3400 psi

isip 1650 psi decreasing to 1360 psi in 15 minutes.

Ran 4 1/2" Baker Wireline. Set tubing retrievable bridge plug. Set plug at 6919'. Ran CBL tool to complete logging operation. Found sand had filled casing above plug to 6767'. Ran 2 3/8" tubing in hole and found sand at 6775'. Reverse sand out of casing with KCL water from 6775' to 6904'. Pulled tubing out of hole. Pengo ran CBL-CCL log over Gallup interval. Shut in for night.

10/30/83 Pengo perforated Gallup interval with 21 holes as follows: 6732-46 (8 shots); 6752-56 (3 holes); 6764-66 (2 shots); 6782, 6792, 6850, 6856, 6864-70 (4 shots). Rig up Dowell. Pump down casing with 1,000 gallons 7 1/2% HCL and 32 ball sealers. Obtain complete ball out. Ran wireline junk basket and recovered 32 balls. Fracture Gallup interval with 1% KCL water containing 2 1/2# per 1,000 friction reducer as follows:

20,000 gallons PAD	40 bpm @ 5620 psi
10,000 gal w/1/2# 20-40/ gal	41 bpm @ 2600 psi
20,000 gal w/1# 20-40/gal	41 bpm @ 2300 psi
41,160 gal w/1 1/2# 20-40/gal	41 bpm @ 2300 psi
2,520 gal. w/1# 20-40/gal	30 bpm @ 3400 psi
420 gal. slick water flush	sand out @ 3500 psi

leases to either a Federal agency or a State agency, use of this form and the number of copies to be used by, or may be obtained from, the local Federal and core analysis, all types electric, etc.), formations and/or State laws and regulations. All attachments ce with Federal requirements. Consult local State spaces on this form and in any attachments. state in item 22, and in item 24 show the producing e report (page) on this form, adequately identified, ng and the location of the cementing tool. items 22 and 24 above.)

38. GEOLOGIC MARKERS	TOP	
	MEAS. DEPTH	TRUEVERT. DEPTH
Surface	San Jose	same
Ojo Alamo	2883	
Kirtland	3017	
Fruitland	3153	
Pictured Cliffs	3360	
Lewis	3426	
Mesaverde	5040	
Point Lookout	5452	
Mancos	5732	
Gallup	6669	
Greenhorn	7517	
Graneros	7576	
Dakota	7600	