

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

11 IN DU 16*

(See other instructions on reverse side)

For Budget Bureau No. 42 R355.5.

5. LEASE DESIGNATION AND SERIAL NO.

NM-1372

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME

Barbara-Federal

9. WELL NO.

1

10. FIELD AND POOL, OR WILDCAT

Undesignated

11. SEC., T., R., M., OR BLOCK AND SURVEY OR AREA

18-19S-25E

12. COUNTY OR PARISH

Eddy

13. STATE

N.M.

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. RESRV. Other _____

2. NAME OF OPERATOR
Roger C. Hanks

3. ADDRESS OF OPERATOR
2100 Wilco Building, Midland, Texas 79701

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)*
At surface 1980' FNL & 660' FEL
At top prod. interval reported below 7732'
At total depth 8240'

14. PERMIT NO. DATE ISSUED

15. DATE SPUNDED 16. DATE T.D. REACHED 17. DATE COMPL. (Ready to prod.) 18. ELEVATIONS (DF, RKB, RT, GR, ETC.)* 19. ELEV. CASINGHEAD

5-22-71

6-29-71

8-11-71

3553' GR

20. TOTAL DEPTH, MD & TVD 21. PLUG, BACK T.D., MD & TVD 22. IF MULTIPLE COMPL., HOW MANY* 23. INTERVALS DRILLED BY ROTARY TOOLS CABLE TOOLS

8240'

Single

Sharp

24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)* 25. WAS DIRECTIONAL SURVEY MADE

7732-56'

7763-73', Cisco Canyon

Yes

26. TYPE ELECTRIC AND OTHER LOGS RUN 27. WAS WELL CORED

Dual Induction-Laterolog, Neutron Porosity

Yes

28. CASING RECORD (Report all strings set in well)

CASING SIZE	WEIGHT, LB./FT.	DEPTH SET (MD)	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED
12 3/4"	32#	425'	15"	400 SX.	
8 5/8"	24#	1070'	11"	575 SX.	
5 1/2"	17#	8225'	7 7/8"	800 SX.	

RECEIVED

29. LINER RECORD					30. TUBING RECORD		
SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)	SIZE	DEPTH SET (MD)	SCREEN SET (MD)

AUG 17 1971
B. S. GEO. SURVEY
ARTESIA, NEW MEXICO

31. PERFORATION RECORD (Interval, size and number)		32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.	
INTERVAL	NUMBER	DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
7732-56', 7763-73', 4 shots/foot, Wes-Jet Magnum.		7732-73'	1000gal. 15% DS 30 acid

RECEIVED

33.* PRODUCTION							
DATE FIRST PRODUCTION	PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump)	WELL STATUS (Producing or shut-in)					
8-11-71	Flowing	Shut-in					
DATE OF TEST	HOURS TESTED	CHOKE SIZE	PROD'N. FOR TEST PERIOD	OIL—MCF. (ARTESIA, OFFICE)	GAS—MCF.	WATER—BBL.	GAS-OIL RATIO
8-11-71	24	32/64"	→	240	Est 150	720	625/1
FLOW. TUBING PRESS.	CASING PRESSURE	CALCULATED 24-HOUR RATE	OIL—BBL.	GAS—MCF.	WATER—BBL.	OIL GRAVITY-API (CORR.)	
400#		→	240	Est. 150	720	43	

AUG 18 1971

34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.) TEST WITNESSED BY
Vented Bobby E. Cone

35. LIST OF ATTACHMENTS
Logs, core analysis & DSTs

36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records
SIGNED Roger C. Hanks TITLE Operator DATE 8-16-71

*(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.)

LOG #				
-------	--	--	--	--

FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.	MEAS. DEPTH	TRUE VERT. DEPTH
San Andres	515'		Lime & Dolomite	515'	+3038'
Glorieta	1965'		Lime & Shale	1965'	+1588'
Abo	4810'		Lime & Shale	4810'	-1257'
Wolfcamp	5450'		Lime & Dolomite	5450'	-1897'
Cisco Canyon	7560'	7880'	Lime & Shale	8740'	-4007'
Morrow Lime	8740'	8850'	Sand & Shale	8740'	-5187'
Morrow Sand	8935'	8990'		8935'	-5382'

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

NAME	TOP	MEAS. DEPTH	TRUE VERT. DEPTH
San Andres		515'	+3038'
Glorieta		1965'	+1588'
Abo		4810'	-1257'
Wolfcamp		5450'	-1897'
Cisco Canyon		8740'	-4007'
Morrow Lime		8740'	-5187'
Morrow Sand		8935'	-5382'

FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.	MEAS. DEPTH	TRUE VERT. DEPTH
San Andres	515'		Lime & Dolomite	515'	+3038'
Glorieta	1965'		Lime & Shale	1965'	+1588'
Abo	4810'		Lime & Shale	4810'	-1257'
Wolfcamp	5450'		Lime & Dolomite	5450'	-1897'
Cisco Canyon	7560'	7880'	Lime & Shale	8740'	-4007'
Morrow Lime	8740'	8850'	Sand & Shale	8740'	-5187'
Morrow Sand	8935'	8990'		8935'	-5382'

WELL NAME AND NUMBER Barbara Federal Well No. 1

LOCATION Section 18, T-19-S, R-25-E, Eddy County, New Mexico
(New Mexico give U,S,T & R; Texas give S,Bik.,Sur.& Twp.when required)

OPERATOR Roger C. Hanks

DRILLING CONTRACTOR Sharp Drilling Company

The undersigned hereby certifies that he is an authorized representative of the drilling contractor who drilled the above-described well and that he has conducted deviation tests and obtained the following results:

<u>Degrees @ Depth</u>	<u>Degrees @ Depth</u>	<u>Degrees @ Depth</u>	<u>Degrees @ Depth</u>
1/4 175'	2 5,409'		
1/2 389'	1-1/2 5,873'		
1/4 628'	1-1/2 6,137'		
1/2 1,127'	1-1/4 6,617'		
3/4 1,450'	1-1/4 7,140'		
3/4 1,575'	3/4 7,337'		
1/2 1,862'	1-1/2 7,676'		
1/2 2,323'	1-1/2 8,070'		
1/4 2,817'	2 8,492'		
1 3,314'	1-3/4 8,998'		
1 3,560'	1-3/4 9,040'		
1/2 3,962'			
1/2 4,453'			
1-3/4 4,979'			

RECEIVED
AUG 17 1971
U. S. GEOLOGICAL SURVEY
ARTESIA, NEW MEXICO

Drilling Contractor SHARP DRILLING COMPANY

By *R. E. Cross, Jr.*
R. E. Cross, Jr. 19 71

Subscribed and sworn to before me this 13th day of July, 19 71

Pat. Buchanan
Notary Public

My Commission Expires:
6/1/73

Midland County, Texas