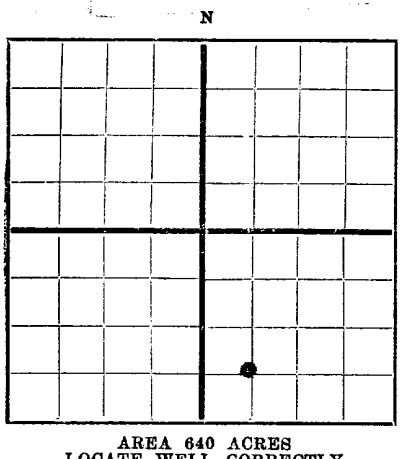
FORM C-105



AREA 640 ACRES
LOCATE WELL CORRECTLY

NEW MEXICO OIL CONSERVATION COMMISSION
Santa Fe, New Mexico

WELL RECORD

Mail to Oil Conservation Commission, Santa Fe, New Mexico, or its proper agent not more than twenty days after completion of well. Follow instructions in the Rules and Regulations of the Commission. Indicate questionable data by following it with (?). SUBMIT IN TRIPLICATE. FORM C-110 WILL NOT BE APPROVED UNTIL FORM C-105 IS PROPERLY FILLED OUT.

Barnett & Hanson (Company or Operator) Box 670, Roswell, New Mexico (Address)

State (Lease) Well No. 1-A in SW¼ SE¼ of Sec. 19, T 17 S., R. 35 E., N. M. P. M., Vacuum Field, Lea County.

Well is 660 feet ~~south~~ north of the ~~North~~ south line and 1980 feet west of the East line of sec. 19

If State land the oil and gas lease is No. B-1398 Assignment No.

If patented land the owner is , Address

If Government land the permittee is , Address

The Lessee is , Address

Drilling commenced Aug. 2, 1948. Drilling was completed Jan. 24, 1949

Name of drilling contractor Sam Sanders , Address Artesia, New Mexico

Elevation above sea level at top of casing 3985 feet.

The information given is to be kept confidential until 19

OIL SANDS OR ZONES

No. 1, from 4435 to 4442 No. 4, from 4650 to 4668

No. 2, from 4585 to 4590 No. 5, from to

No. 3, from 4635 to 4644 No. 6, from to

IMPORTANT WATER SANDS

Include data on rate of water inflow and elevation to which water rose in hole.

No. 1, from 80 to 110 feet.

No. 2, from to feet.

No. 3, from to feet.

No. 4, from to feet.

CASING RECORD

SIZE	WEIGHT PER FOOT	THREADS PER INCH	MAKE	AMOUNT	KIND OF SHOE	CUT & FILLED FROM	PERFORATED FROM	PERFORATED TO	PURPOSE
12 3/4	36	Welded	S.H.	252					Water shut-off
8 5/8	24-28	8.	S.H.	1775					" "
7	20	8	New	4379	Larkin				Oil string

MUDDING AND CEMENTING RECORD

SIZE OF HOLE	SIZE OF CASING	WHERE SET	NO. SACKS OF CEMENT	METHODS USED	MUD GRAVITY	AMOUNT OF MUD USED
17"	12 3/4	252	100	Halliburton		
13"	8 5/8	1775	25 & 75	"		
8"	7	4379	50	"		

PLUGS AND ADAPTERS

Heaving plug—Material Length Depth Set

Adapters — Material Size

RECORD OF SHOOTING OR CHEMICAL TREATMENT

SIZE	SHELL USED	EXPLOSIVE OR CHEMICAL USED	QUANTITY	DATE	DEPTH SHOT OR TREATED	DEPTH CLEANED OUT
		(None)				

Results of shooting or chemical treatment -

RECORD OF DRILL-STEM AND SPECIAL TESTS

If drill-stem or other special tests or deviation surveys were made, submit report on separate sheet and attach hereto.

TOOLS USED

Rotary tools were used from 0 feet to 1775 feet, and from feet to feet

Cable tools were used from 1775 feet to 4686 feet, and from feet to feet

PRODUCTION

Put to producing January 24, 1949

The production of the first 24 hours was 66 barrels of fluid of which 100 % was oil; % emulsion; % water; and % sediment. Gravity, Be

If gas well, cu. ft. per 24 hours Gallons gasoline per 1,000 cu. ft. of gas

Rock pressure, lbs. per sq. in

EMPLOYEES

D. A. Selman, Driller G. C. Pratt, Driller

P. F. Johnson, Driller Earle McDorman, Driller

FORMATION RECORD ON OTHER SIDE

I hereby swear or affirm that the information given herewith is a complete and correct record of the well and all work done on it so far as can be determined from available records.

Subscribed and sworn to before me this 27th day of January, 1949

Notary Public

My Commission expires 12-19-50

Hobbs, New Mexico (Place) (Date)

Name John A. Barnett

Position Co-Partner

Representing Barnett & Hanson (Company or Operator)

Address Box 670, Roswell, New Mexico.

FORMATION RECORD

FROM	TO	THICKNESS IN FEET	FORMATION
0	15	15	Caliche
15	40	25	Clay, sand & water gravel
40	65	25	Water gravel
65	90	25	Sandy lime
90	110	20	Water sand
110	221	111	Sandy lime
221	300	79	Red bed
300	460	160	Red bed & anhydrite
460	1237	777	Red bed, shale, sand & shells
1237	1245	8	Lime
1245	1670	425	Red bed, sand & shale
1670	1704	34	Anhydrite & blue shale
1704	1732	28	Anhydrite & streaks salt
1732	1735	3	Red & blue shale
1735	1738	3	Salt
1738	1757	19	Red & blue shale
1757	1762	5	Shale & anhydrite
1762	1775	13	Anhydrite
1775	1900	125	Anhydrite, red shale & salt
1900	2500	600	Salt
2500	2850	350	Salt & anhydrite
2850	3895	1045	Anhydrite, shale & sand
3895	3925	30	Red sand & anhydrite
3925	4245	320	Anhydrite & shale & sand
4245	4538	293	Lime & anhydrite & sand
4538	4686	152	Lime

Total depth.

Form C-103

OIL CONSERVATION COMMISSION

Santa Fe, New Mexico

MISCELLANEOUS REPORTS ON WELLS

Submit this report in triplicate to the Oil Conservation Commission or its proper agent within ten days after the work specified is completed. It should be signed and sworn to before a notary public for reports on beginning drilling operations, results of shooting well, results of test of casing shut off, result of plugging of well, and other important operations, even though the work was witnessed by an agent of the Commission. Reports on minor operations need not be signed and sworn to before a notary public. See additional instructions in the Rules and Regulations of the Commission.

Indicate nature of report by checking below.

REPORT ON BEGINNING DRILLING OPERATIONS		REPORT ON REPAIRING WELL	
REPORT ON RESULT OF SHOOTING OR CHEMICAL TREATMENT OF WELL		REPORT ON PULLING OR OTHERWISE ALTERING CASING	
REPORT ON RESULT OF TEST OF CASING SHUT-OFF	X	REPORT ON DEEPENING WELL	
REPORT ON RESULT OF PLUGGING OF WELL			

October 30, 1948 (Date) Box 670, Roswell, New Mexico. (Place)

OIL CONSERVATION COMMISSION,
SANTA FE, NEW MEXICO
Gentlemen:

Following is a report on the work done and the results obtained under the heading noted above at the

Barnett & Hanson (Company or Operator) State (Lease) Well No. 1-A in the SW¼ SE¼ of Sec. 19, T. 17 S., R. 35 E., N. M. P. M., Vacuum Field, Lea County.

The dates of this work were as follows:

Notice of intention to do the work was (~~XXXXXX~~) submitted on Form C-102 on August 27, 19 48

and approval of the proposed plan was (~~XXXXXX~~) obtained. (Cross out incorrect words.)

DETAILED ACCOUNT OF WORK DONE AND RESULTS OBTAINED

On August 13, 1948, we ran 8 5/8" 28# seamless casing to 1775', and cemented (by Halliburton) with 25 sacks of cement, preceded by Aquagel and mud to surface. The rotary rig was moved off and a No. 3 National Machine moved in. The cement plug was drilled on August 22, 1948. We failed to obtain a water shut-off, and on August 24th Halliburton attempted to re-cement with 50 sacks of cement, thru tubing, with packer. The 8 5/8" casing collapsed at about 1635'. It was finally swedged out and the hole in the casing squeezed with 75 sacks of cement, by Halliburton. The cement was drilled out and it was then found that the bottom joint of 8 5/8" casing was also collapsed. It was swedged out, and no water appeared. Drilling was then very slow, due to the fact that some iron appeared to be in the bottom of the hole, and some iron continued to fall in on the tools while drilling. After drilling had progressed to 2007', we placed a shot of SNG at 2003-2007' (20 qts.), opposite the iron. The shot was tamped with 20' of gravel and 2 sacks of Calseal, and the work was done on Oct. 19, 1948. Subsequently, the tools stuck a few times, but drilling has gradually progressed more satisfactorily, and the well is now drilling about normally at below 2590'. The hole is dry.

Remarks:

APPROVED
NOV

Roy Yarbrough
Name

Title