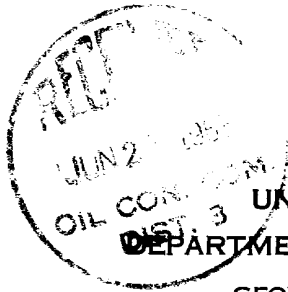


LOCATE WELL CORRECTLY



U. S. LAND OFFICE **Farmington, N. Mex.**  
SERIAL NUMBER **SF-078356**  
LEASE OR PERMIT TO PROSPECT **Lease**

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

**LOG OF OIL OR GAS WELL**

Company WALTER DUNCAN Address Box 137, Durango, Colorado  
Lessor or Tract Skelly-Government Field Basin-Dakota State New Mexico  
Well No. 1 Sec. 22 T. 27N R. 9W Meridian NMPM County San Juan  
Location 2050 ft. XXX of N Line and 1000 ft. XXX of W Line of Section 22 Elevation 6298 Gr.  
(Derrick floor relative to sea level)

The information given herewith is a complete and correct record of the well and all work done thereon so far as can be determined from all available records.

Date JUN 19 1963 Signed [Signature] Title \_\_\_\_\_

The summary on this page is for the condition of the well at above date.

Commenced drilling May 6, 19 63 Finished drilling May 26, 19 63

**OIL OR GAS SANDS OR ZONES**

(Denote gas by G)

No. 1, from 6634 to 6905 - G No. 4, from \_\_\_\_\_ to \_\_\_\_\_  
No. 2, from \_\_\_\_\_ to \_\_\_\_\_ No. 5, from \_\_\_\_\_ to \_\_\_\_\_  
No. 3, from \_\_\_\_\_ to \_\_\_\_\_ No. 6, from \_\_\_\_\_ to \_\_\_\_\_

**IMPORTANT WATER SANDS**

No. 1, from \_\_\_\_\_ to \_\_\_\_\_ No. 3, from \_\_\_\_\_ to \_\_\_\_\_  
No. 2, from \_\_\_\_\_ to \_\_\_\_\_ No. 4, from \_\_\_\_\_ to \_\_\_\_\_

**CASING RECORD**

Size casing	Weight per foot	Threads per inch	Make	Amount	Kind of shoe	Cut and pulled from	Perforated		Purpose
							From—	To—	
8-5/8	28#	8 R	H-40	192.59	Larkin				Surface
4-1/2	10.5#	8 R	J-55	6920.50	Larkin				Production

**MUDDING AND CEMENTING RECORD**

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
8-5/8	205'	125 ex 2% CaCl	Circ.		
4-1/2	6910'	225 ex 8% gel & 100 ex Neat	Circ.		

**PLUGS AND ADAPTERS**

Heaving plug—Material \_\_\_\_\_ Length \_\_\_\_\_ Depth set \_\_\_\_\_  
Adapters—Material \_\_\_\_\_ Size \_\_\_\_\_

**SHOOTING RECORD**

Size	Shell used	Explosive used	Quantity	Date	Depth shot	Depth cleaned out
SEE REMARKS						

**TOOLS USED**

Rotary tools were used from Surface feet to 6910 feet, and from \_\_\_\_\_ feet to \_\_\_\_\_ feet  
Cable tools were used from \_\_\_\_\_ feet to \_\_\_\_\_ feet, and from \_\_\_\_\_ feet to \_\_\_\_\_ feet

**DATES**

\_\_\_\_\_, 19\_\_\_\_ Put to producing \_\_\_\_\_, 19\_\_\_\_

The production for the first 24 hours was \_\_\_\_\_ barrels of fluid of which \_\_\_\_\_% was oil; \_\_\_\_\_% emulsion; \_\_\_\_\_% water; and \_\_\_\_\_% sediment. Gravity, °Bé. \_\_\_\_\_

If gas well, cu. ft. per 24 hours 2377 MCF Gallons gasoline per 1,000 cu. ft. of gas \_\_\_\_\_

Rock pressure, lbs. per sq. in. \_\_\_\_\_

**EMPLOYEES**

\_\_\_\_\_, Driller Aspen Drilling Company, Driller  
\_\_\_\_\_, Driller (Farmington, New Mexico) Driller

**FORMATION RECORD**

FROM—	TO—	TOTAL FEET	FORMATION
2235	2286		Pictured Cliffs ss
2286	3769		Lewis Sh.
3769	4660		Mesaverde
4660	6529		Mancos Sh.
6529	6585		Greenhorn
6585	6634		Graneros
6634	6908		Dakota

FORMATION RECORD—Continued

FROM—	TO—	TOTAL FEET	FORMATION
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Distribution of this report:  
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 New Mexico Oil & Gas Commission, 1000 Rio  
 Brazos Road, Aztec, N. Mex. (1 copy)  
 El Paso Natural Gas Company, El Paso, Texas  
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 (1 copy)  
 Kelly Oil Company, Farmington, N. Mex.  
 (1 copy)

It is of the greatest importance to have a complete history of the well. Please state in detail the dates of redrilling, together with the reasons for the work and its results. If there were any changes made in the casing, state fully, and if any casing was "sidetracked" or left in the well, give its size and location. If the well has been dynamited, give date, size, position, and number of shots. If plugs or bridges were put in to test for water, state kind of material used, position, and results of pumping or bailing.

HISTORY OF OIL OR GAS WELL

16-43084-2 U. S. GOVERNMENT PRINTING OFFICE

Tubing: 211 joints 1-1/4 CD 2.4# V-50, 10 R, EUE, 6840.04', set at 6851 RKB.  
 Perforations: 6634-36; 6646-53; 6700-26; 6799-6806; 6842-48; 6854-56; 6897-6904. Perf. with two shots per foot and sand-water traced perforations.  
 Frac Details: Perforated 2 super dyna jets per ft., 6895-6902. Broke down formation w/50 dbis water; pumped into formation at 4000 psi, 13 dbis/min. Perforated 2 super dyna jets per ft., 6799-6806, 6842-6848, 6894-6898. Pumped into formation at 4000 psi, 150 dbis water at 22 dbis/min. Perforated 2 super dyna jets per foot, 6700-6726. Frac w/Dowell 5 Allisons; 50,000 lbs. 20-40 sand, 59,640 gal. water w/3# J-100 friction-reducing agent per 1000 gal. Flushed w/5250 gal. water. Pumped at 3900 psi initial; average: 3300 psi; maximum: 3900 psi; final: 3200 psi. Immediate shut in 2600 psi; 15 min. shut in 1300 psi. Average injection rate: 44.5 dbis/min. Perforated 2 super dyna jets per ft., 6634-38, 6646-53. Frac all zones with 5 Allisons, 20,000 # 20-40 sand, 21,000 gal. water w/3# J-100 per 1000 gal. Flushed w/5800 gal. water. Pumped initial 3500 psi; average 3250 psi; maximum: 3500 psi; final: 3500 psi. Immediate shut in 1500 psi; 5 minute shut in 1400 psi. Made three ball drops: First drop 20 balls, pressure increased 3100 to 3300. Second drop 10 balls, pressure increased 3300 to 3500. Third drop 20 balls at end of frac; balls hit at end of flush, no pressure increase noted. Average injection rate: 43 dbis/min. Initial Potential: 2377 MCF after 3 hours w/182# ck pressure, 1373# csg. pressure. CAOF 3625 MCF. SITP 2070; SICP 2066.  
 Present status: Shut in awaiting pipeline connection.