

**FILE NOTATIONS**

Entered in NID File .....  
 Entered On S R Sheet .....  
 Location Map Pinned .....  
 Card Indexed .....  
 I W R for State or Fee Land .....

Checked by Chief .....  
 Copy NID to Field Office .....  
 Approval Letter .....  
 Disapproval Letter .....

COMPLETION DATA:

Date Well Completed 12-16-59  
 CW..... W..... TA.....  
 GW..... OS..... FA

Location Approved 2/25/60  
 Bonded Land .....  
 State of Fee Land .....

LOGS FILED

Driller's Log 3/18/60  
 Electric Logs (No. ) 2

E..... I..... E-I..... GR..... GR-N  Micro.....  
 Lat..... Mi-L..... Sonic  Others.....

Scout Report sent

Noted in the NID File

Location map pinned

Approval or Disapproval Letter

Date Completed, P. & A, or operations suspended

12-16-59 FI

Pin changed on location map

Affidavit and Record of A & P

Water Shut-Off Test

Gas-Oil Ratio Test

Well Log Filed

KERN COUNTY LAND COMPANY

KORBER BUILDING

ALBUQUERQUE, NEW MEXICO

ROOMS 301 - 304

November 9, 1959

TELEPHONE CHAPEL 2-1670

U. S. Geological Survey  
P. O. Box 965  
Farmington, New Mexico

Attention: Mr. Phil McGrath

Re: KCL #1 Hatch Federal  
1860' FNL, 590' FEL  
Sec. 6, T 39 S, R 23 E  
San Juan County, Utah

Gentlemen:

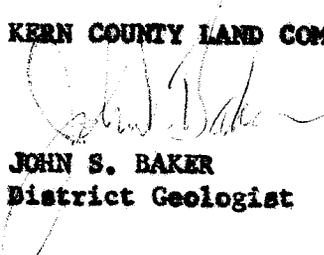
We enclose herewith the following in connection with the above proposed well:

1. Notice of Intention to Drill, in triplicate.
2. Certified Survey Plat.
3. Designation of Operator.

If you have any further requirements, kindly let us know and we will immediately comply.

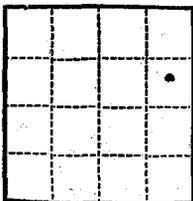
Very truly yours,

KERN COUNTY LAND COMPANY

  
JOHN S. BAKER  
District Geologist

JSB:ph  
Encs.

cc Utah Oil & Gas Conservation Commission w/enc. in duplicate  
Reynolds Mining Corporation w/enc.  
Three States Natural Gas Company w/enc.



(SUBMIT IN TRIPLICATE)

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

Land Office Salt Lake  
Lease No. 067698  
Unit Hatch

SUNDRY NOTICES AND REPORTS ON WELLS

NOTICE OF INTENTION TO DRILL	<input checked="" type="checkbox"/>	SUBSEQUENT REPORT OF WATER SHUT-OFF	
NOTICE OF INTENTION TO CHANGE PLANS		SUBSEQUENT REPORT OF SHOOTING OR ACIDIZING	
NOTICE OF INTENTION TO TEST WATER SHUT-OFF		SUBSEQUENT REPORT OF ALTERING CASING	
NOTICE OF INTENTION TO RE-DRILL OR REPAIR WELL		SUBSEQUENT REPORT OF RE-DRILLING OR REPAIR	
NOTICE OF INTENTION TO SHOOT OR ACIDIZE		SUBSEQUENT REPORT OF ABANDONMENT	
NOTICE OF INTENTION TO PULL OR ALTER CASING		SUPPLEMENTARY WELL HISTORY	
NOTICE OF INTENTION TO ABANDON WELL			

(INDICATE ABOVE BY CHECK MARK NATURE OF REPORT, NOTICE, OR OTHER DATA)

November 9, 1959

Hatch Federal  
Well No. 1 is located 1860 ft. from [N] line and 590 ft. from [E] line of sec. 6  
[S] [W]

NE/4 Section 6 39 South 23 East Salt Lake  
(¼ Sec. and Sec. No.) (Twp.) (Range) (Meridian)

Wildcat San Juan County Utah  
(Field) (County or Subdivision) (State or Territory)

The elevation of the derrick floor above sea level is 4905 ft.

DETAILS OF WORK

(State names of and expected depths to objective sands; show sizes, weights, and lengths of proposed casings; indicate mudding jobs, cementing points, and all other important proposed work)

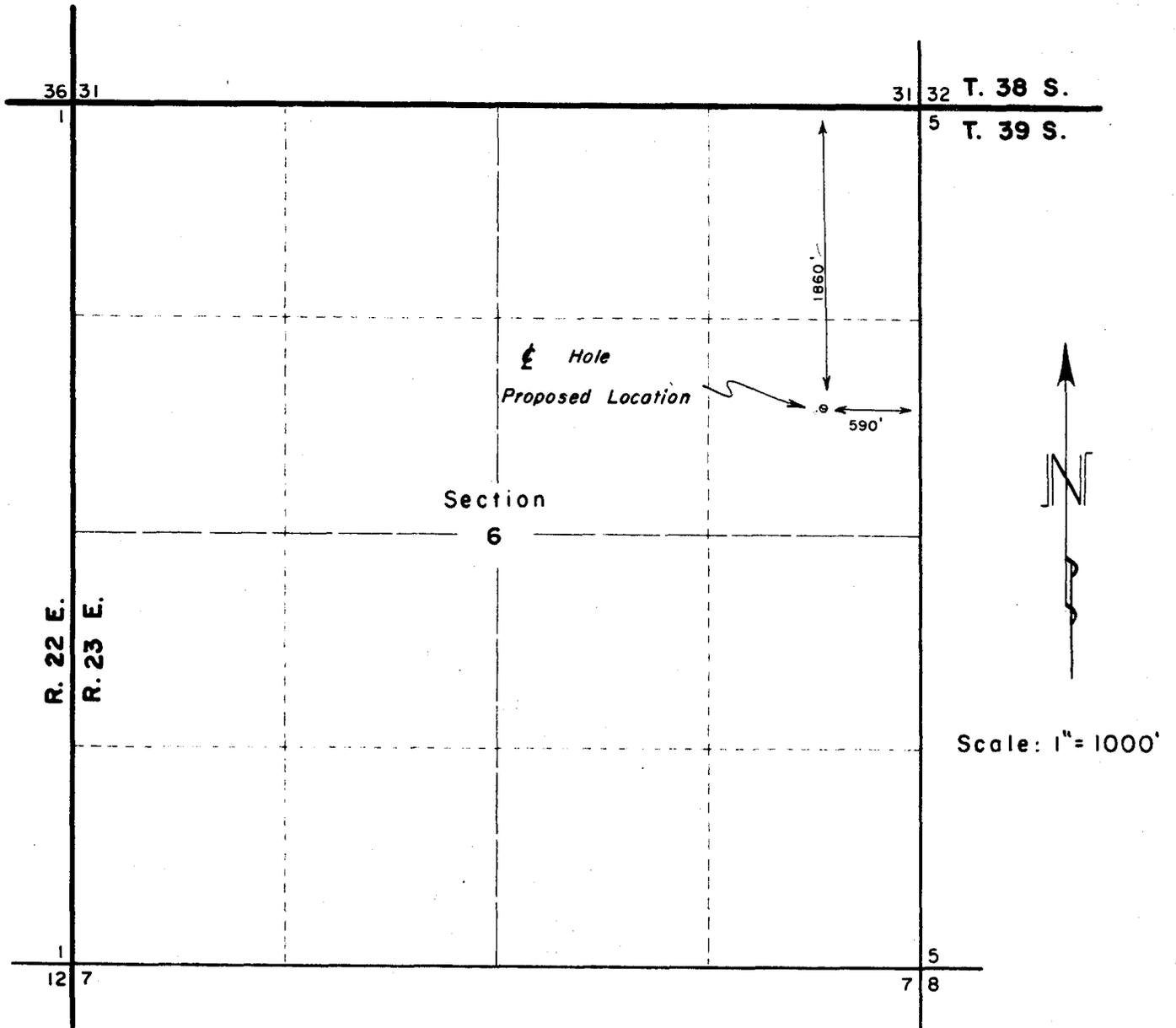
Objective: Paradox 5700'  
Casing: 13-3/8" 48#, casing to 30'.  
8-5/8" 28#, casing to 600'.  
Mud: low solids, Driscose, water, oil emulsion mud containing 6% oil.  
Drillstem tests: of oil or gas shows.

I understand that this plan of work must receive approval in writing by the Geological Survey before operations may be commenced.

Company KERN COUNTY LAND COMPANY  
Address 304 Korber Building  
Albuquerque, New Mexico

By John S. Baker  
John S. Baker  
Title District Geologist

# CERTIFICATE OF SURVEY



## WELL LOCATION: Kern County Land Co.— K.C.L. Hatch—Federal No. 1

Located 1860 feet South of the North line and 590 feet West of the East line of Section 6.  
 Township 39 South                      Range 23 East                      Salt Lake Meridian  
 San Juan County, Utah  
 Existing ground elevation determined at 4894 feet based on adjoining well locations.

I hereby certify the above plat represents a survey made under my supervision and is accurate to the best of my knowledge and belief.

*Elmer M. Clark*

ELMER M. CLARK  
 Registered Land Surveyor  
 State of Utah (No. 2307)

**E.M. CLARK & ASSOCIATES**  
 Durango, Colorado  
 NOVEMBER 5, 1959

DRILLING REPORT

HATCH FEDERAL NO. 1

11/20/59 66' Drilling. Well spudded 7:00 P.M. 11/20/59.

11/21/59 120' Drilling. Ran 2 joints 13 3/8" 63.84' set at 69'. Cemented with 60 sacks neat cement and 2% CaCl. Plug down 3:45 A.M., good returns. Dug rat and mouse hole.

11/22/59 914' Fishing. Drilling with water. Deviation 300' - 0° 3/4', 525' - 0° 3/4', 780' - 0° 1/2'. Twisted off at 914'. Top of fish 505'. Left 12 drill collars and 2 joints of drill pipe in hole.

11/23/59 1526'. Waiting on cement. Recovered fish. Drilled to 1526'. Deviation 1124' - 0° 1/2', 1220' - 0° 3/4'. 11" hole 0'-559', 7 7/8" hole 559'-1526'. Pulled out and opened hole to 11" to 569'. Ran and cemented 17 joints 8 5/8", 24#, J-55, Short T & C set at 567'. Cemented with 330 sacks regular cement with 4% Ca<sub>2</sub>Cl. Centralizers 6', 33' and 64' above shoe.

11/24/59 1863' Drilling. Waited on cement. Cut off and landed casing. Flanged up BOP's. Deviation 1760' - 0° 1/4'. Mud 9.2#, viscosity 54.

11/25/59 2443' Drilling. Mud 9.3#, viscosity 44. Deviation 2075' - 1° 0', 2350' - 1° 1/4'.

11/26/59 2867' Drilling. Mud 9.2#, viscosity 46. Deviation 2613' - 0° 3/4', 2700' - 0° 3/4', 2860' - 0° 3/4'.

11/27/59 3278' Drilling. Mud 9.2#, viscosity 39, water loss 9.4, 2/32". Deviation 3037' - 0° 3/4', 3228' - 0° 1/2'.

11/28/59 3562' Drilling. Mud 9.2#, viscosity 38, water loss 9.0, 2/32", PH 11. Deviation 3360' - 0° 3/4', 3555' - 0° 3/4'.

11/29/59 3866' Drilling. Mud 9.8#, viscosity 48, water loss 9.8, 3/32", PH 9.

11/30/59 4119' Drilling. Mud 9.5#, viscosity 45. Deviation 3860' - 0° 1/4', 3988' - 0° 1/2'.

12/1/59 4284' Drilling. Mud 9.4#, viscosity 41. Deviation 4110' - 0° 3/4', 4284' - 0° 1/2'.

12/2/59 4531' Drilling. Mud 9.4#, viscosity 40, water loss 10, 2/32", PH 9.4. Deviation 4437' - 0° 1/2'.

12/3/59 No report.

12/4/59 5024' Drilling. Mud 9.5#, viscosity 41.

12/5/59 5144' Drilling. Mud 9.6#, viscosity 38, water loss 10, 2/32", PH 8.8. Deviation 5039' - 0° 1/2'.

MAR 17 1960

12/6/59 5352' Drilling. Mud 9.6#, viscosity 42, water loss 7.6, 2/32", PH 10. Deviation 5200' - 0° 1/4'.

12/7/59 5516' Drilling. Mud 9.5#, viscosity 40, water loss 7.6, 2/32", PH 10. Deviation 5350' - 0° 1/4', 5463' - 0° 1/2'.

12/8/59 5664' Drilling. Mud 9.4#, viscosity 39, water loss 7.6, 2/32", PH 10. Deviation 5540' - 0° 1/2', 5620' - 0° 1/2'.

12/9/59 5869' Drilling. Mud 9.6#, viscosity 41, water loss 4.8. Deviation 5700' - 0° 3/4', 5800' - 0° 3/4'.

12/10/59 5900' Drilling. Mud 9.6#, viscosity 45, water loss 4.8, 2/32", PH 9.

12/11/59 5988' Drilling. Mud 9.5#, viscosity 48, water loss 4, 2/32". Deviation 5950' - 1° 0'.

12/12/59 6051' Drilling. Mud 9.5#, viscosity 48, water loss 4.5, 2/32", PH 9.

12/13/59 6115' Testing. Deviation 6115' - 0° 3/4'. DST #1 Ran 2 Halliburton Packers with 64.3' drill collars and perforated tail. Lower packer 6051', top 6046'. 24 min. ISI. No blow for 30 minutes, weak for 1 hour 33 minutes. Recovered 190' mud with 600' slight gassy muddy salt water. ISIP 2265#, IFP 180#, Max. FP 455#, FSIP 2190#, HP 3040#.

12/14/59 6200' Coring. Mud 9.6#, viscosity 61, water loss 4.4, 2/32", PH 10.5.

12/15/59 6250' TD Logging. Core #1 6180' - 6230'. Recovered 50'. 7 dolomite, 17 anhydrite and dolomite, 4 limestone, 20 limestone and dolomite, 2 shale.

12/16/59 6250' TD Ran Gamma Ray - Neutron, Sonic log.

Plugged well with 61 sacks at 6130'-5950', 50 sacks at 5050'-4900', 90 sacks at 2300'-2030', 30 sacks at 615'-515', 10 sacks surface cap in 8 5/8" casing around marker.

Rig released 12 noon 12/16/59.

(Submit in Triplicate)

SUPERVISOR, OIL AND GAS OPERATIONS:

DESIGNATION OF AGENT

The undersigned is, on the records of the Geological Survey, unit operator under the Utah unit agreement, Utah, I-Sec. No. 14-08-001-2441, Approved June 1, 1935,

and hereby designates

NAME: **KERN COUNTY LAND COMPANY**  
ADDRESS: **Rooms 301 - 304, Harbor Building, Albuquerque, New Mexico**

as its agent, with full authority to act in its behalf in complying with the terms of the unit agreement and regulations applicable thereto and on whom the supervisor or his representative may serve written or oral instructions in securing compliance with the Oil and Gas Operating Regulations with respect to:

~~1-22-3. 2-23-3. A11~~  
~~Sec. 6: A11~~  
containing 640 acres, more or less,  
San Juan County, Utah,  
Federal lease SL-067698

It is understood that this designation of agent does not relieve the unit operator of responsibility for compliance with the terms of the unit agreement and the Oil and Gas Operating Regulations. It is also understood that this designation of agent does not constitute an assignment of any interest under the unit agreement or any lease committed thereto.

In case of default on the part of the designated agent, the unit operator will make full and prompt compliance with all regulations, lease terms, or orders of the Secretary of the Interior or his representative.

The unit operator agrees promptly to notify the oil and gas supervisor of any change in the designated agent.

This designation of agent is deemed to be temporary and in no manner a permanent arrangement.

This designation of agent is limited to field operations and does not cover administrative action requiring unit operator's specific authorization

**REYNOLDS MINING CORPORATION**

BY: James P. White

BY: Sam W. Love

November 6, 1935

Date

Unit Operator  
Attorneys-in-Fact

STATE OF UTAH  
OIL AND GAS CONSERVATION COMMISSION

AFFIDAVIT AND RECORD OF ABANDONMENT AND PLUGGING

PLUGGING METHODS AND PROCEDURE: --The method and procedure for plugging a well shall be as follows:

- (a) The bottom of the hole shall be filled to, or a bridge shall be placed at the top of each producing formation open to the well bore, and in either event, a cement plug not less than fifty (50) feet in length shall be placed immediately above each producing formation open to the well bore whenever possible.
- (b) A cement plug not less than fifty (50) feet in length shall be placed at approximately fifty (50) feet above and below all fresh water bearing strata.
- (c) A plug shall be placed at or near the surface of the ground in each hole.
- (d) The interval between plugs shall be filled with heavy mud-laden fluid.
- (e) The hole shall be plugged with heavy mud up to the base of the surface string at which point a plug of not less than fifty (50) feet of cement shall be placed.

Field or Pool Wildcat County San Juan

Lease Name Federal Hatch Well No. 1 Sec. 6 Twp. 39S R. 23E

Date well was plugged: December 16, 1959

Was the well plugged according to regulation of the Commission: Yes

Set out method used in plugging the well, the nature and quantities of materials used in plugging, size of plugs, location and extent (by depths) of the plugs of different materials, and the amount of casing left in hole, (giving size, top and bottom elevations of each section of abandoned casing).

6130-5950	61 sacks	Ideal Regular	13 3/8"	48# csg.	@ 69'
5050-4900	50 sacks	Ideal Regular	8 5/8"	24# csg.	@ 567'
2300-2030	90 sacks	Ideal Regular	All plugs mixed to 15# slurry and pumped into well through opened drill pipe.		
615- 515	30 sacks	Ideal Regular			
0- 10	10 sacks	Ideal Regular			
4" x 8' market cemented at surface.					

Operator Kern County Land Company

Address 304 Korber Building

Albuquerque, New Mexico

AFFIDAVIT

STATE OF CALIFORNIA  
COUNTY OF \_\_\_\_\_

Before me, the undersigned authority on this day personally appeared E. P. Burtchaell, known to me to be the person whose name is subscribed to the above instrument, who being by me duly sworn on oath states that he is authorized to make this report and has knowledge of the facts stated herein, and that said report is true and correct.

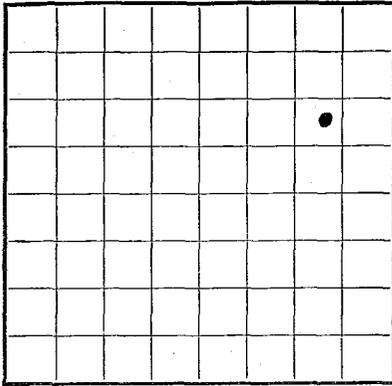
Subscribed and sworn to before me this \_\_\_\_\_ day of \_\_\_\_\_, 19\_\_\_\_.

My Commission Expires:

NOTARY PUBLIC

INSTRUCTIONS: Complete this form, in duplicate, and mail both copies to the Oil & Gas Conservation Commission, Room 140, State Capitol Building, Salt Lake City 14, Utah.

U. S. LAND OFFICE Salt Lake  
 SERIAL NUMBER 067698  
 LEASE OR PERMIT TO PROSPECT Lease



LOCATE WELL CORRECTLY

UNITED STATES  
 DEPARTMENT OF THE INTERIOR  
 GEOLOGICAL SURVEY

LOG OF OIL OR GAS WELL

Company Kern County Land Company Address 304 Korber Bldg., Albuquerque, N.M.  
 Lessor or Tract Hatch-Federal Field Wildcat State Utah  
 Well No. 1 Sec. 6 T. 39S R. 23E Meridian San Lake County San Juan  
 Location 1860 ft.  $\left\{ \begin{matrix} \text{N.} \\ \text{S.} \end{matrix} \right\}$  of N. Line and 590 ft.  $\left\{ \begin{matrix} \text{K.} \\ \text{W.} \end{matrix} \right\}$  of E. Line of Section Elevation 4908  
(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.

Signed E.P. Butchell

Date 3-15-60 Title Mgr., Prod. & Engr.

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

Commenced drilling 11-20, 19 59 Finished drilling 12-16, 19 59

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from \_\_\_\_\_ to \_\_\_\_\_ 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-	
13 3/8	48		Lone Star	69	None	-	-	-	Conductor
8 5/8	24		Lone Star	567	Short Texan	-	-	-	Surface

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
13 3/8	69	60 + 2% CaCl <sub>2</sub>	Pump	-	Circulated to surface
8 5/8	567	330 + 4% CaCl <sub>2</sub>	Pump	Water	35.6 bbls.

PLUGS AND ADAPTERS

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

Adapters—Material \_\_\_\_\_ Size \_\_\_\_\_

SHOOTING RECORD

FOLD MARK

**MUDDING AND CEMENTING RECORD**

FOLD MARK

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
13 3/8	69	60 + 2% CaCl <sub>2</sub>	Pump	-	Circulated to surface
8 5/8	567	330 + 4% CaCl <sub>2</sub>	Pump	Water	35.6 bbls.

**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
	None					

**TOOLS USED**

Rotary tools were used from 0 feet to 6250 feet, and from ..... feet to ..... feet

Cable tools were used from ..... feet to ..... feet, and from ..... feet to ..... feet

**DATES**

....., 19..... Put to producing P & A....., 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 ..... Gallons gasoline per 1,000 cu. ft. of gas .....

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

**EMPLOYEES**

....., Driller ..... , Driller

....., Driller ..... , Driller

**FORMATION RECORD**

FROM—	TO—	TOTAL FEET	FORMATION
			Navajo 996 (+3912)
			Kayenta 1528 (+3380)
			Wingate 1766 (+3142)
			DeChelly 1990 (+2918)
			Organ Rock 3184 (+1724)
			Hermosa 4994 (- 86)
			Ismay 5912 (-1004)
			Desert Creek 6147 (-1239)
			Total Depth 6250 (-1342)

[OVER]