

DEPARTMENT OF THE INTERIOR
BUREAU OF MINES
PETROLEUM DIVISION

U. S. Land Office Santa Fe
Serial Number 044535
~~Permit~~

30-045-07389

SUNDRY NOTICES AND REPORTS ON WELLS

(INDICATE NATURE OF DATA BY CHECKING)

075999

NOTICE OF INTENTION TO DRILL.....	<input checked="" type="checkbox"/>	SUBSEQUENT RECORD OF SHOOTING.....	
NOTICE OF INTENTION TO CHANGE PLANS.....		RECORD OF PERFORATING CASING.....	
NOTICE OF DATE FOR TEST OF WATER SHUT-OFF.....		NOTICE OF INTENTION TO PULL OR OTHERWISE ALTER CASING.....	
REPORT ON RESULT OF TEST OF WATER SHUT-OFF.....		NOTICE OF INTENTION TO ABANDON WELL.....	
NOTICE OF INTENTION TO RE-DRILL OR REPAIR WELL.....		SUBSEQUENT REPORT OF ABANDONMENT.....	
NOTICE OF INTENTION TO SHOOT.....		SUPPLEMENTARY WELL HISTORY.....	

Farmington, N. Mex., June 19, 1925

Following is a ~~report of work done~~ {notice of intention to do work} on land under ~~lease~~ {permit} described as follows:

New Mexico (State or Territory) San Juan (County or Subdivision) South Bloomfield (Field)

Well No. 2 NE 1/4 Sec. 22 28 North 11 West N.M.P.M.
(1/4 Sec.) (Twp.) (Range) (Meridian)

The well is located 285 ft. ~~SW~~ S of N line and 356 ft. ~~SW~~ W of E line of Sec. 22.

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

Details of Plan of Work:

SHOW SIZES, WEIGHTS AND DEPTHS OF PROPOSED CASINGS; ALSO MUDDING JOBS, CEMENTING POINTS AND ALL OTHER IMPORTANT PROPOSED WORK.

We propose to shut off surface gravel waters with about 60 feet of 10 inch, 35 pound casing well cemented; also to shut off the two flows of artesian waters supposed to be from 240 feet to 400 feet with 8 inch 25 pound casing, and we have a supplemental string of 6 1/4" casing now on ground to meet other difficulties and further, we have a complete string of 4 7/8" tools and expect to penetrate to the capacity of our machine, which is estimated to be from 1,400 to 1,600 feet.

We expect to start actively about June 24th, 1925. The elevations on Government Bench Marks not being stamped thereon, the elevation of derrick floor will be furnished later.

Approved June 20 1925
(Date)
J. H. Hassel
Title ASSOCIATE PETROLEUM ENGINEER
BUREAU OF MINES

Company New Mexican Eagle Oil Co.,
By Grant P. Strickland
Title President.

APR 2

WOLF #2 Dec 22, 28 Nov 11

192

BEST AVAILABLE COPY

50

60

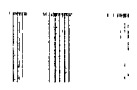
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192

F.D. 602

~~FOR FROM~~
~~APR 2~~

returned for file



1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24



100

200

300

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700

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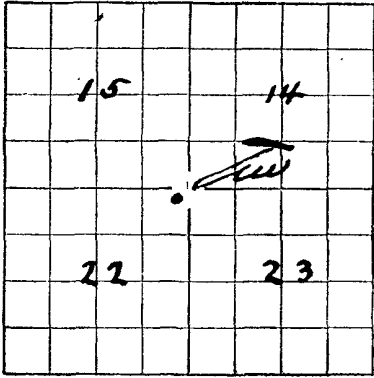
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Bb/s



U. S. LAND OFFICE Santa Fe
 SERIAL NUMBER 044535
 LEASE OR PERMIT Permit



LOCATE WELL CORRECTLY

DEPARTMENT OF THE INTERIOR
 BUREAU OF MINES
 PETROLEUM DIVISION

675794

LOG OF OIL OR GAS WELL

Company New Mexican Eagle Oil Co. Address Sapulpa, Oklahoma
 Lessor or Tract _____ Field Kootz Canyon State New Mexico
 Well No. 2 Sec. 22 T. 28N R. 11W Meridian N.M.P.M. County San Juan
 Location 285 ft. {S.} of N Line and 356 ft. {W.} of E Line of Sec. 22 Elevation _____
(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 Frank P. Driehaus

Date Dec. 19, 1925 Title President.

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

Commenced drilling June 20, 1925 Finished drilling Nov. 24, 1925.

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from G 597 to 602 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 190 to 230 No. 3, from 350 to 435
 No. 2, from 322 to 325 (Artesian) No. 4, from 515 to 525

CASING RECORD

Size casing	Weight per foot	Threads per inch	Make	Amount	Kind of shoe	Cut and pulled from	Perforated		Purpose
							From	To	
10"	35	8	mixed	107	heavy	nil	nil	nil	anchor
6 1/4"	17	11 1/2	"	593	"	nil	nil	nil	shut water

CASING OR TOOLS LOST OR SIDETRACKED

From None to _____ Description _____
 From _____ to _____ Description _____
 From _____ to _____ Description _____

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks cement	Method used	Mud gravit.	Amount of mud used
10"	107	6 Oil Field Cement	lowered with bailer		none

PLUGS AND ADAPTERS

Heaving plug—Material none Length _____ Depth set _____
 Adapters—Material _____ Size _____

SHOOTING RECORD

Size	Shell used	Explosive used	Quantity	Date	Depth shot	Depth cleaned out
No	Shooting					

TOOLS USED

Rotary tools were used from _____ feet to _____ feet, and from _____ feet to _____ feet
 Cable tools were used from 0 feet to 602 feet, and from _____ feet to _____ feet

DATES

Shut in for gas Dec. 22, 1925 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 est. 3,000,000 Gallons gasoline per 1,000 cu. ft. of gas no test

Rock pressure, lbs. per sq. in. About 200

EMPLOYEES

Nathan Reed, Driller Floyd West, Driller
Leonard McNutt, Toolie, Driller

FORMATION RECORD

FROM	TO	TOTAL FEET	FORMATION
0	10	10	Sandy Loam
10	40	30	Blue Shale
40	70	30	Brown Sand
70	110	40	White Sand
110	120	10	Sandy Shale
120	140	20	Blue Shale
140	190	50	White Sand
190	230	40	White Sand
230	290	60	Sandy Shale
290	322	32	Blue Shale
322	325	3	Sandy Shale
325	345	20	Water Sand
345	350	5	Sandy Shale
350	390	40	Brown Sand
390	400	10	White Sand
400	410	10	Blue Shale

FORMATION RECORD—Continued.

FROM	TO	TOTAL FEET	FORMATION
410	430	20	Brown Sand
430	435	5	White Sand
435	480	45	Brown Sand
480	485	5	White Sand
485	495	10	Brown Sand
495	510	15	Blue Shale
510	515	5	Gray Lime
515	525	10	Brown Sand
525	535	10	Sandy Shale
535	541	6	Blue Shale
541	560	19	Sandy Shale
560	565	5	Sandy Shale
565	575	10	Blue Shale
575	585	10	Sandy Shale
585	593	8	Blue Shale
593	597	4	Blue Shale
597	600	3	Gas Sand
600	602	2	Gas Sand

File

DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

Santa Fe

Serial Number 044535

Permit

Lease or Permit

675794

SUNDRY NOTICES AND REPORTS ON WELLS

NOTICE OF INTENTION TO DRILL.....		SUBSEQUENT RECORD OF SHOOTING	
NOTICE OF INTENTION TO CHANGE PLANS.....		RECORD OF PERFORATING CASING	
NOTICE OF DATE FOR TEST OF WATER SHUT-OFF.....		NOTICE OF INTENTION TO PULL OR OTHERWISE ALTER CASING.....	
REPORT ON RESULT OF TEST OF WATER SHUT-OFF		NOTICE OF INTENTION TO ABANDON WELL	
NOTICE OF INTENTION TO REPORT OR REPAIR WELL.....	X	SUBSEQUENT REPORT OF ABANDONMENT	
NOTICE OF INTENTION TO SHOOT		SUPPLEMENTARY WELL HISTORY	

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

Farmington, New Mexico 5/21, 1930

Following is a ~~report of work done~~ {notice of intention to do work} on land under {~~lease~~} {permit} described as follows:

New Mexico (State or Territory) San Juan (County or Subdivision) Kutz Canyon (Field) *Sec. Con*

Well No. 2 ~~11W 37 1/2~~ **NENE** Sec. 22 28N 11W N.M.P.M.

(1/4 Sec. and Sec. No.) (Twp.) (Range) (Meridian)

The well is located 285 ft. ~~##~~ {S} of N line and 356 ft. ~~##~~ {W} of E line of sec. 22

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

DETAILS OF PLAN 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.)

It is requested permission to repair this well in accordance with previous instructions through your office, as follows,

to mud off the gas sand with good heavy rotary mud from bottom to top of the hole and install suitable connections on the conductor string to entrol the artesian water for drilling purposes at a nearby location where rotary equipment will be used.

APPROVED - on condition that all valuable deposits be properly protected and subject to all and any orders and instructions which may be issued by J. A. Frost, District Engineer, Farmington, New Mex.

Approved May 26, 1930 (Date)

Hale B. Soyster

HALE B. SOYSTER
Supervisor.
GEOLOGICAL SURVEY

Company *Murchison Oil Co*

By *P. H. Beachum*

Title *Field Manager*

Address *Farmington, N. M.*

Address

NOTE - Reports on this form to be submitted in triplicate to the Supervisor for approval.

DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

Santa Fe
Serial Number REC 044635
Permit
JUN 26 1930

SUNDRY NOTICES AND REPORTS ON WELLS

NOTICE OF INTENTION TO DRILL.....		SUBSEQUENT RECORD OF SHOOTING.....	FARMINGTON, N. MEX.
NOTICE OF INTENTION TO CHANGE PLANS.....		RECORD OF PERFORATING CASING.....	
NOTICE OF DATE FOR TEST OF WATER SHUT-OFF.....		NOTICE OF INTENTION TO PULL OR OTHERWISE ALTER CASING.....	
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NOTICE OF INTENTION TO SHOOT.....		SUPPLEMENTARY WELL HISTORY.....	
Report of repairing well.....	X		

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

Farmington, New Mexico. June 26, 1930

Following is a ~~notice of intention to do work~~ report of work done on land under ~~permit~~ described as follows:

New Mexico San Juan Kutz Canyon
(State or Territory) (County or Subdivision) (Field)

Well No. 2 NW 1/4 SW 22 Sec. 22 28N 11W N.M.P.M.
(1/4 Sec. and Sec. No.) (Twp.) (Range) (Meridian)

The well is located 285 ft. ~~N~~S of N line and 356 ft. ~~E~~W of E line of sec. NW 1/4 SW 22

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

DETAILS OF PLAN 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.)

As per intentions to repair dated May 5, 1930 and approved by the Casper Office May 26, 1930.

This well was mudded from bottom to top with heavy mud, as heavy as pupms would handle, and then two sacks of cement, using ~~the~~ plug method, was pumped to bottom insuring a good shut off from the bottom of the casing at 596' to bottom at 602'.

The water at approximately 350', between the casing will be bradenheaded for protection and future use.

Accepted as a matter of record only.

Approved July 2, 1930.
(Date)
Hale B. Soyster
HALE B. SOYSTER,
Title Supervisor.
GEOLOGICAL SURVEY

Company Murchison Oil Co
By R. H. Reacher
Title Field Manager
Address Farmington N. M.

Address 509 Con. Roy. Bldg., Casper, Wyoming.

NOTE.—Reports on this form to be submitted in triplicate to the Supervisor for approval.

S. F. - 044535

File

LOG OF WELL #2
Permit Santa Fe 044535
Sec. 22, T. 28 N., R. 11 W.
San Juan County, N.Mex.

30-045-07389

Formation	Depth	
Sandy loam	0	
Blue shale	10	
Brown Sand	40	
White sand, hard water	70	
Sandy shale, R.D.Hole	110	107 Ft. set 10 in. Casing
Blue shale	120	cemented and let set 6 days
White sand, hard water	140	
White sand	190	Water in ground 190
Sandy shale	230	
Blue shale	290	
Sandy shale	322	Artesian Water
Water sand	325	
Sandy shale	345	
Brown sand	350	Water Sand
White sand	390	Hard Sand
Blue shale	400	
Brown sand	410	Water Sand
White sand	430	
Brown sand	435	Water Sand
White sand	480	
Brown sand	485	Hard
Blue shale	495	Set 8 $\frac{1}{4}$ Casing, 487
Gray lime	510	
Brown sand	515	Water Sand
Sandy shale	525	
Blue shale	535	Reset 8 $\frac{1}{4}$ Casing
Sandy shale	541	
Sandy shale	560	
Blue shale	565	
Sandy shale	575	
Blue shale	585	Pulled 8 $\frac{1}{4}$ -inch casing
Blue shale	593	6 $\frac{1}{4}$ -inch Casing set
Gas sand	597	Gas
Gas sand	600	Gas
Gas sand	602	Gas

Bottom of hole - 602 ft. 1 in.

C O P Y

DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

Santa Fe 044535
Serial Number 044535
Lease or Permit Lease

SUNDRY NOTICES AND REPORTS ON WELLS

075794
30-045-07389
2

NOTICE OF INTENTION TO DRILL.....	SUBSEQUENT RECORD OF SHOOTING.....	
NOTICE OF INTENTION TO CHANGE PLANS.....	RECORD OF PERFORATING CASING.....	
NOTICE OF DATE FOR TEST OF WATER SHUT-OFF.....	NOTICE OF INTENTION TO PULL OR OTHERWISE ALTER CASING.....	
REPORT ON RESULT OF TEST OF WATER SHUT-OFF.....	NOTICE OF INTENTION TO ABANDON WELL.....	
NOTICE OF INTENTION TO RE-DRILL OR REPAIR WELL.....	SUBSEQUENT REPORT OF ABANDONMENT.....	X
NOTICE OF INTENTION TO SHOOT.....	SUPPLEMENTARY WELL HISTORY.....	X

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

August 27, 1936, 19

Following is a ~~notice of intention to do work~~ report of work done on land under ~~lease~~ described as follows:

New Mexico (State or Territory) San Juan (County or Subdivision) Kutz Canyon (Field)
Well No. 2 Ref # 7 NE 1/4 22 28N 11W N.M.
(1/4 Sec. and Sec. No.) (Twp.) (Range) (Meridian)

The well is located 235 ft. S of N line and 356 ft. W of E line of sec. 22

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

DETAILS OF PLAN 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.)

This well was shut in November 24, 1925 after completing in the Farmington sand for a small gas well at 602 feet. The well left shut in until July 1930 at which time mud was circulated through 2" tubing and the hole filled to the surface inside the 6 1/2" casing, then two sacks of cement were pumped to bottom to cement off the gas sand from 597-602', a bull plug was then screwed in the casing. During August 1936 we set a braden head over the 6 1/2", extending out over the 10" and down about four feet. This was set in concrete, and was welded to the 6 1/2" casing at the top. A 2" discharge line carries the artesian water about 15 feet from the well connections. The old sump hole was filled in with dirt and rock and the ground leveled off.

SA
8/27/36
11080

This report covers the final plugging of the well as to oil and gas and will be left, or converted into a water well.

Approved August 27, 1936 (Date)

JOHN A. FROST
District Engineer
GEOLOGICAL SURVEY

Company Southern Union Production Co.

By Van Thompson
Title Supt.,

Address Farmington, New Mexico.

Address Albuquerque, New Mexico.

NOTE.—Reports on this form to be submitted in triplicate to the Supervisor for approval