

Company of United States Petroleum Corporation, Division
Address: 1000 Broadway, New York, N. Y.
Location: 1000 Broadway, New York, N. Y.
Date: 1000 Broadway, New York, N. Y.
Signed: 1000 Broadway, New York, N. Y.

Completed drilling 1000 Broadway, New York, N. Y.
The summary on this page is for the completion of the well at above date.
Oil or Gas Sands or Zones
No. 1 from 1000 Broadway, New York, N. Y.
No. 2 from 1000 Broadway, New York, N. Y.
No. 3 from 1000 Broadway, New York, N. Y.
SEE ATTACHED
No. 4 from 1000 Broadway, New York, N. Y.
No. 5 from 1000 Broadway, New York, N. Y.
No. 6 from 1000 Broadway, New York, N. Y.
No. 7 from 1000 Broadway, New York, N. Y.
No. 8 from 1000 Broadway, New York, N. Y.
No. 9 from 1000 Broadway, New York, N. Y.
No. 10 from 1000 Broadway, New York, N. Y.

IMPORTANT WATER SANDS
No. 1 from 1000 Broadway, New York, N. Y.
No. 2 from 1000 Broadway, New York, N. Y.
No. 3 from 1000 Broadway, New York, N. Y.
No. 4 from 1000 Broadway, New York, N. Y.
No. 5 from 1000 Broadway, New York, N. Y.
No. 6 from 1000 Broadway, New York, N. Y.
No. 7 from 1000 Broadway, New York, N. Y.
No. 8 from 1000 Broadway, New York, N. Y.
No. 9 from 1000 Broadway, New York, N. Y.
No. 10 from 1000 Broadway, New York, N. Y.

CASING RECORD
No. 1 from 1000 Broadway, New York, N. Y.
No. 2 from 1000 Broadway, New York, N. Y.
No. 3 from 1000 Broadway, New York, N. Y.
No. 4 from 1000 Broadway, New York, N. Y.
No. 5 from 1000 Broadway, New York, N. Y.
No. 6 from 1000 Broadway, New York, N. Y.
No. 7 from 1000 Broadway, New York, N. Y.
No. 8 from 1000 Broadway, New York, N. Y.
No. 9 from 1000 Broadway, New York, N. Y.
No. 10 from 1000 Broadway, New York, N. Y.

HISTORY OF OIL OR GAS WELL
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 "struck" 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 pipes or bridges were put in to test for water, state kind of material used, position, and results of pumping or bailing.

MUDDING AND CEMENTING RECORD
Casing size, 1000 Broadway, New York, N. Y.
Mud used, 1000 Broadway, New York, N. Y.
Mud gravel, 1000 Broadway, New York, N. Y.
Amount of mud used, 1000 Broadway, New York, N. Y.

PLUGS AND ABANDONING
1000 Broadway, New York, N. Y.
1000 Broadway, New York, N. Y.
1000 Broadway, New York, N. Y.
1000 Broadway, New York, N. Y.

SHOOTING RECORD
1000 Broadway, New York, N. Y.
1000 Broadway, New York, N. Y.
1000 Broadway, New York, N. Y.
1000 Broadway, New York, N. Y.

TESTS USED
1000 Broadway, New York, N. Y.
1000 Broadway, New York, N. Y.
1000 Broadway, New York, N. Y.
1000 Broadway, New York, N. Y.

DATES
1000 Broadway, New York, N. Y.
1000 Broadway, New York, N. Y.
1000 Broadway, New York, N. Y.
1000 Broadway, New York, N. Y.

EMPLOYEES
1000 Broadway, New York, N. Y.
1000 Broadway, New York, N. Y.
1000 Broadway, New York, N. Y.
1000 Broadway, New York, N. Y.

FORMATION RECORD
1000 Broadway, New York, N. Y.
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FORMATION
1000 Broadway, New York, N. Y.
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1000 Broadway, New York, N. Y.

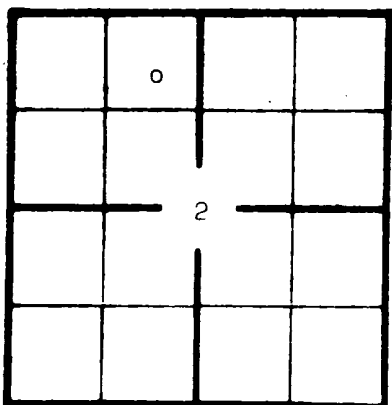
FORMATION RECORD—Continued
1000 Broadway, New York, N. Y.
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1/18 Dwinell Bros. rig - KB 6765.

Est ID: 6765'

COUNTY San Juan

STATE New Mexico



OPERATOR Union Texas Petroleum

FARM Jen Na Pia

WELL NO. 1

Sec. 2 T. 25N R. 10W

AREA NE NW

Sec. Survey 1850 FWL 790 FNL

FILE NO.: DNM-8-G & H

FIELD: Basin Dakota A.P.E. NO. HO-3317

SPUD COMP. T. D. ELEV. 6754

CONTRACTOR Dwinell Brothers, Inc. TOOLS 6764

SHOT 222-7207

ACID Gal.

ACID Gal.

Formations

PRODUCTION

T. An. OPEN bbl. OIL cu. ft. GAS
T. S. TUBING bbl. OIL cu. ft. GAS
R. S. RETEST
T. Dr. L.
R. S4
T. Wh. L. PRESSURE CASING TUBING
T. Del. L. REMARKS:
T. Del. S4 DAILY TELEPHONED REPORTS TO: Arrowhead Exploration
Co. - 266-2358 (C. - ending 1/25/60)

CASING:

Size Depth Cement

INTERESTS

UTP	55.56%
Arrowhead	33.33%
Seagrams	11.11%

-TUBING-

8"	8"
14"	14"

1965

- 1/15 Rigged up Dwinell Bros., Rig #1, removed dry hole marker, nipped up. Cleaned out surface plug. Cleaning stringers of cement in surface pipe at 151' with water.
- 1/18 1/16 Drld stringers of cement to bottom of surface casing @ 184'. Few soft stringers to 322'. Firm cement 322 to 345'. Drlg @ 860, sand & shale.
- 1/17 Drld to 940' with 6-3/4" bit, PU two 8" drill collars and 8-3/4" bit. Reamed to 940'.
- 1/18 Drilled 8-3/4" hole to 1120'. Layed down 8" drill collars, went in with 6-3/4" bit. Drlg at 1520'. Sand and shale.
- 19 Made trip at 1520', circulated hole w/60 vis. mud. Laid down DP, released rig to move in larger rotary rig.
- 20 WO rotary rig.
- 21 WO rotary rig.
- 22 WO rotary rig.
- 25 WO rotary rig.
- 26 WO rotary rig.
- 27 WO rotary rig.
- 28 MI rotary rig.
- 29 KB elevation: 6764. MI rotary rig.
- 30 MI rotary rig.
- 31 Started picking up drill collars at 6 PM, 1/30. Depth 1715'. Bit #1, 7-7/8" Hughes OSC1G. Mud: vis 41, wt 8.9, WL 7, PH 9, FC 2/32. Deviation 1-1/4" at 600', 1-1/4" at 1200', 1/2" at 1500'.
- 2/1 Depth 2658', vis 47, MW 9.1, WL 8.6, PH 8.5, FC 2/32, oil 3%. Bit OSC X3.

Jen Na Pia #1, NE NW Section 2-T25N-R10W, San Juan County, New Mexico
1965 - Continued - Page 2

- 2/2 Depth 3286', sand & shale, bit #3, vis 48, MW 9.2, WL 6.8, PH 8.6, FC 2/32, 4% oil. Deviation 3/4° at 3000'.
- 3 Depth 3755', drld 469' sd & sh, bit #4, vis 45, MW 9.1, WL 6.8, PH 8.7, FC 2/32, 4% oil. Deviation 1° at 3505'.
- 4 Depth 4280', drld 525' sd & sh, bit #6, vis 45, MW 9.2, WL 7, PH 8.5, FC 2/32, 3% oil.
- 5 Depth 4739', drld 449' sd & sh, present operation tripping for bit #8, vis 45, MW 9.2, WL 7.8, FC 2/32. Deviation 2° at 4700 ft.
- 8 2/6 Depth 5169', drlg w/bit #9, vis 45, MW 9.2, PH 8.8, WL 8, 4% oil.
- 2/7 Depth 5535', drlg w/bit #10, vis 51, MW 9.2, PH 8.6, WL 8, 4% oil. Deviation 1-3/4° at 5300'.
- 2/8 Depth 5896', drld 361' sd & sh, tripping for bit #12, vis 53, MW 9.2, WL 7.8, PH 8.6, FC 2/32, oil 4%.
- 9 Depth 6121', drld 225' sd & sh, going in hole w/bit #13, vis 58, MW 9.2, WL 8.1, PH 8.6, FC 2/32, oil content 4%, 1/4% sand. Drld 13-3/4 hrs., down time due to motor trouble.
- 10 Depth 6455', drld 334' sd & sh, drlg w/bit #14, vis 60, MW 9.3, WL 8, PH 8.7, FC 2/32, sand content 1/4 of 1%, 4% oil.
- 11 Depth 6627', drld 172' sd & sh, vis 70, MW 9.3, WL 7, PH 8.5, oil 4%. Present operation working stuck pipe at approximately 650'. Pipe stuck while making trip.
- 12 Spotted 40 BO w/Pipelax, had slight amt of pipe movement. Installed driving tool, jarred pipe w/free movement down hole. While working pipe upwards, 4-1/2" drill pipe on driving tool assembly parted, dropping fish. Went in hole w/overshot, 3 drill collars, bumper sub & jars, stopped @ 472'. Pulled overshot, overshot full of shale & large pieces of sandstone rock. Went in w/bit, stopped @ 472', re-ran bit. While attempting to drill, hung up, worked loose. Went in w/overshot, recovered 7' of drill pipe (part of drive tool assembly). Preparing to go in hole w/tap, bumper sub & jars.
- 13 Went in hole w/Bowen releasing spear, could not get hold of fish. Went in w/8-5/8" overshot, no results. Re-ran Bowen spear-no results. Re-ran overshot, went by fish 8', top of fish 470'.
- 14 Picked up 9-7/8" bit, cleaned out to top of fish. Ran 9-5/8" overshot, went by top of fish 10". Re-ran overshot-same results. Ran wall hook on 9-5/8" overshot, no results. Ran wall hook 4 times-same results. Overshot going by fish 4 ft.
- 15 Went in hole w/DP, bottom joint bent, and overshot w/wall hook. Overshot went by fish 4 ft. Went in hole w/drill pipe, crooked bottom joint, and knuckle joint, 9-5/8" overshot w/wall hook. Found no trace of fish. Wall hook went to 495 ft. Went in hole w/DP, drill collars & 7-7/8" bit. Cleaned out bridges to 1220 ft., found top of fish. Went in hole w/Bowen releasing spear. Tagged fish at 1220 ft., went down hole to 1233 ft. Latched on to fish but pulled off. Left slips in hole. Ran taper tap, recovered fish. Preparing to go in hole w/bit and junk basket.
- 16 ~~Spotted 40 BO w/Pipelax, had slight amt of pipe movement. Installed driving tool, jarred pipe w/free movement down hole. While working pipe upwards, 4-1/2" drill pipe on driving tool assembly parted, dropping fish. Went in hole w/overshot, 3 drill collars, bumper sub & jars, stopped @ 472'. Pulled overshot, overshot full of shale & large pieces of sandstone rock. Went in w/bit, stopped @ 472', re-ran bit. While attempting to drill, hung up, worked loose. Went in w/overshot, recovered 7' of drill pipe (part of drive tool assembly). Preparing to go in hole w/tap, bumper sub & jars.~~
Depth 6676', drld 49', formation sand. Trip for bit #18. Vis 74, MW 9.3, WL 6.4, PH 8.5, 4% oil, FC 2/32. On coming out of the hole, 8 stands from being out of hole, hole was tight.
- 17 Log top Dakota 6652. Drld to 6707', ran Lane-Wells Induction log, stopped at 6692'. Went back in hole with 7-5/8" bit. Drld at 6721'. To drill to approx. 6746'.
- 18 Drld to 6767', ran Induction log and G-R Densilog. G-R tool hung up at 2200' while coming out of hole. Worked loose, conditioned hole. Laying down DP to run 4-1/2" casing.

- 2/19 Ran 200 lbs. (6783) of 4-1/2" OD 10.5# J-55 8 rd snls csg set @ 6757. DV tool @ 4215 w/basket @ 4322. Cmtd 1st stage w/300 ex Class "C" cmt, 8% gal, 3/4% CFR-2, 12-1/2# Gilsomite/sack followed by 100 ex Class "C" cmt, 8/10% Haled 9. PD 2 PM. Did not circulate. Cemented 2nd stage w/620 ex Class "C" cmt, 12% gal, 4/10 ER-7, 12-1/2# Gilsomite/sack. Circulated 3 bbls cmt. PD 5 AM, set slips. Released rig 6 AM. 2/19. WOC.
- 2/20 WOC
- 2/21 WOC
- 2/22 WOC
- 23 MI completion unit. TD-6764
- 24 Moved in, rigged up completion unit. Picked up tubing, drilled DV tool. Cleaned out to PBTD 6724. Pressure tested casing 3500# for 15 min. - O.K. Displaced hole w/1% Potassium Chloride water, spotted 500 gal 15% acid on bottom. Pulling tubing; prep. to log, perforate, and frac.
- 25 Ran GR-Neutron log PBTD to 6400'. Perforated 6656-6678 with 4 holes per ft, McCullough Super csg gun. Fract w/64000# 20/40 Sd, 62560 gal water, 1% Potassium Chloride, 2-1/2# per 1000 gal FR-2. BOP 3400 psi. Average injection pressure 2900 psi, average injection rate 4000 gal per min. Max. hydraulic HP 2843, instantaneous SI pressure 2000 psi, 5 min SI 1800 psi. Went in hole with tubing, blowing lead water with gas. Landed tubing @ 6652. Pumped out Baker pump out plug. Released completion unit. Blowing well to clean up. Too wet to measure. Est 3000 - 4000 MCF per day.
- 26 Intermittently blowing well to atmosphere to clean up.
- 27 Same.
- 28 Same.
- 3/1 SITP 1895, SICP 1923. Opened well on 3/4" choke nipple. After 1 hr, CP 1211, FTP 597. Gas volume 7430 MCF/day w/light spray condensate & lead water. SI for 7 day buildup prior to State potential.
- 2 through 8 - SI for State test.
- 9 State test taken, report will be submitted within the next few days.
- 10 No report.
- 11 SICP 1910 psig, SITP 1910, opened well on 3/4" choke. After 3 hrs, FTP 566 psig, CP 720 psig. Flow rate 8200 MCFPD, CAGF 9222 MCFPD. SI - WOPL.
- 12 SI - WOPL.
- 13 through 25 - SI WOPL. Completion date 2/28/65. Well will be taken off report until pipe line connection is made.