

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY



Company Axstar Drilling Company Address 1730 Glenarm Place, Denver 2, Colorado
 Lessor or Tract Alcarilla Apache Field Mildcat State New Mexico
 Well No. 1 Sec. 28 T. 22N R. 4W Meridian N.T.P.M. County Sandoval
 Location 220 ft. S. of 1/4 Line and 66 ft. E. of 1/4 Line of Sec. 28 Elevation 6803
 (Derrick floor relative to sea level)

Signed _____

Date July 12, 1961 Title _____

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

Commenced drilling June 25, 1961 Finished drilling July 7, 1961

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from SCHE to _____

No. 2, from _____ to _____

No. 3, from _____ to _____

No. 4, from _____ to _____

No. 5, from _____ to _____

No. 6, from _____ to _____

IMPORTANT WATER SANDS

No. 1, from 6270 to 6398 No. 3, from _____ to _____
No. 2, from _____ to _____ No. 4, from _____ to _____

CASING RECORD

[illegible]

MUDDING AND CEMENTING RECORD

[illegible]

PLUGS AND ADAPTERS

Heaving plug—Material Length Depth set

Adapters—Material Size

SHOOTING RECORD

[illegible]

TOOLS USED

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

DATES

_____, 19____ Put to producing Gravel abandoned 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
0	1314	1314	San Jose Fm.: White to grey sandstone beds inter-bedded with gray shale.
1314	1410	96	Top Elmo Alamo 1314: White to lt. gray, coarse sandstone.
1410	1673	263	Top Kirtland 1410: Grey, fine gr., sand inter-bedded with grey shale.
1673	1798	145	Top Fruitland 1673: Very thin, dk. grey, silty sand beds with grey to black carbonaceous shale.
1798	1875	77	Top Pictured Cliffs 1798: Lt. grey, med. grained, "salt & pepper", friable sandstone.
1875	2250	1175	Top Lewis 1875: Grey, silty shales with occ. thin, gray, fine, silty sand bed.
3250	3909	659	Top Mesaverde 3250: Thin to massive fine-grained, lt. grey sandbeds interbedded with grey to black shales occ. very carbonaceous.
3909	4124	215	Top Point Lookout 3909: Lt. grey, fine, sandstone with thin beds of grey shale.
4124	4898	1792	Top Mancos 4124: Grey to blk. silty shale with occ. sand beds (described below)
5000	5287	(287)	Top Gallup 5000; <u>WITHIN MANCOS SHALE</u> - Thin beds of med. to dk. grey, fine, silty sandstone interbedded with dk. grey silty shale.

FORMATION RECORD—Continued

FROM—	TO—	TOTAL FEET	FORMATION
5604	5604	72	Top sandstone 5604; white, fine, light, thin, very limy, grey to tan, fine, light, thin, very limy, sand beds interbedded with dk. grey, silty, calcareous shale.
5616	5616	39	Top greenhorn 5616; dk. grey, fine, limy, sandstone with ool. thin bed of grey, very dense limestone.
5555	5555	211	Top greenhorn 5555; dk. grey, hard shales with ool. thin beds of white, fine, sandstone.
5166	5352	186	Top sandstone 5166; white, fine, light, hard sandstone in top half to dk. grey, medium, friable, porous sand in bottom half with beds of dk. grey, hard shales through out.
6361	6366 (71)	37	Top horizon 6361; dk. green to grey, soft shales in top 10' with white, medium, very poorly consolidated sandstone in next 27'.

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 "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.

Drilled with a rotary rig using a gel base mud after cementing 285' of 8 5/8" surface casing with 100 sacks.

Lost circulation briefly at 4564'.

No oil or gas shows of any significance were encountered at any point in the same from the well.

After reaching a total depth of 6366' the well was logged with a lane

logs electric, induction, micro log.

Then a stringer packer drill stem test after reaching total depth with

the following results:

Top packer 6170 bottom packer 6264; opened tool for 3 min. with a strong

blow of air turned, and continuing for full 3 min.; closed tool for 30 min.

to record an initial shut in pressure; opened tool for 60 min., strong blow

of air immediately, continued for 60 min.; no gas to surface; closed tool for

30 min. to record a final shut in pressure; pulled tool from hole and recovered

5600' of oil. Gas out fresh water. Test 2510; FPP 2465; test 610; FPP 2465;

THP 3210; FPP 3170. Apparently the lower packer did not hold and in reality

the whole section from 6170' to total depth was tested.

The well was plugged and abandoned on July 9, 1961.

