WELL LOG AND REPORT TO THE STATE ENGINEER OF NEVADA

Log No. 4480
Rec. April 15, 1959
Well No.
Permit No.
Do not fill in

Owner F + M Land Development Co. Driller PARTAIN Exploration Co.

Address 214½ No. Main St. Las Vegas. Address 2731 TALISMAN DRIVE BAKERSFIELD, CALIF. Lic. No. 168

Location of well: NW¼NW¼ Sec. 6, T. 7 N/~~S~~ R. 67 E, in LINCOLN Co. County

or

Water will be used for Test Well Total depth of well 872.

Size of drilled hole 6 INCH Weight of casing per linear foot

Thickness of casing Temp. of water

Diameter and length of casing 30' 10" OD Surface Pipe.
(Casing 12" in diameter and under give inside diameter; casing 12" in diameter give outside diameter.)

If flowing well give flow in c.f.s. or g.p.m. and pressure

If nonflowing well give depth of standing water from surface

If flowing well describe control works
(Type and size of valve, etc.)

Date of commencement of well Date of completion of well 2-11-55

Type of well rig ROTARY.

LOG OF FORMATIONS

From feet	To feet	Thickness feet	Type of material
0	16	16	Top Soil Sandy Loam.
16	32	16	Clay.
32	85	53	Heavy Sand + Gravel, Water bearing.
85	103	18	Blue Shale.
103	265	162	Sand & Pea Gravel, Water Bearing
265	311	46	Sandy Clay.
311	418	107	Water Sand, Fine
418	433	15	Red Sandy Shale.
433	765	332	Fine Sand + Pea Gravel, Good Porosity.
765	777	12.	Lime Shelf. (upper Permian)
777	821	44	Sandy Shale.
821	872.	51	Sand + Gravel increase Water

Water-bearing Formation, Casing Perforations, Etc.

Chief aquifer (water-bearing formation)

from ..... to ..... ft.

Other aquifers 32 - 85, 103 - 265, 311 - 418, 821 - 872.

First water at 32. feet.

Casing perforated

from ..... to ..... ft.

Size of perforations

LOG OF FORMATIONS—*Continued*

From feet	To feet	Thickness	Type of material
			This well bottomed at 872 feet still in sand and gravel. The first water at 52' raised to 16 feet of surface. Second water encountered at 103 feet. No change in static level. Third water encountered at 311 feet. Water level raised to 10 feet of surface. Fourth water sand and gravel was picked up at 433. No increase in static level or loss of water. The fifth water bearing strata was encountered at 821 feet water level raised to 6 feet from surface. Upon encountering water at the different levels the drilling mud was thinned and reverse circulation was used to test each strata. All waters encountered were fresh and had no saline content. Upon completion of the test pumping, this well will be plugged as per state and federal requirements using heavy mud and cement in compliance with our contract.

CASING RECORD

Diam. casing	From feet	To feet	Length	"Remarks"—Seals, Grouting, Etc.

GENERAL INFORMATION—Pumping Test, Quality of Water, Etc.

WELL DRILLER'S STATEMENT

This well was drilled under my jurisdiction and the above information is true to my best information and belief.

Signed.....
Well Driller

By.....

License No.....

Dated....., 19.....

Report Copied from log Loaned by "Tex" Fry - 4-30-57.

(Not to be filled in by Driller)

Well Log

COPY

Location
NW4 of NW4, Section 6, Twn. 7 North, Rge 67 East.
MDB&M Lincoln Co Nevada

Contractor Par-Tain Drilling Co
Bakersfield, California.

Date 2/11/65 Rotary Rig. 6" well
50' 10" OD Surface Pipe
Log-

0 to 16 - Top Soil sandy loam
16 - 52 - Clay
52 - 85 - Heavy Sand & gravel - water bearing
85 - 103 - Blue Shale
103 - 265 - Sand & Pea gravel water bearing
265 - 311 - Sandy Shale
311 - 415 - Water Sand "fine"
415 - 433 - Red sandy Shale
433 - 765 - Fine Sand & Pea gravel - good Porosity
765 - 777 - Lime Shelf (Upper Permian)
777 - 821 - Sandy Shale
821 - 872 - Sand & gravel increase water flowing

this well bottomed at 872 feet still in sand & gravel. The first water at 52' raised to 16 feet of surface - second water encountered at 103 feet no change in static level. third water encountered at 311 feet water level raised to 10 feet of surface - fourth water sand & gravel was picked up at 433, no increase in static level or loss of water - the fifth water bearing strata was encountered at 821 feet water level raised to 6 foot from surface -

upon encountering water at the different levels the drilling mud was thinned and reverse circulation was used to test each strata - all waters encountered were fresh and had no saline content.

upon completion of the test pumping, this well will be pluged as per state & federal requirements using heavy mud & cement in compliance with our contract.

Very truly yours

Ed Partain

PARTAIN