

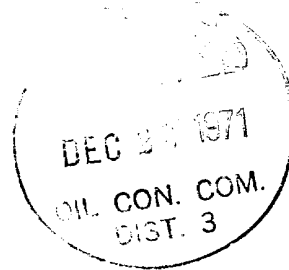
WELL REPORT

SHAR-ALAN OIL CORPORATION

FERNANDEZ NO. 4

1790 Feet FSL & 630 Feet FEL
Sec. 9: T15N, R7W

McKinley County, New Mexico



WELL REPORT
Shar-Alan Oil Corporation
Fernandez No. 4
McKinley County, New Mexico

Location: 1790' FSL & 630' FEL Sec. 9, T15N, R7W, N.M.P.M.

Elevation: 6552' Ground Level; 6556 K.B. (Datum)

Contractor: Stewart Bros. Rig #24 WABCO 2000 Rotary

Spud Date: October 7, 1971

Completion Date: October 13, 1971 P & A

Total Depth: 2456' Driller, 2450' Welex, K.B.

Casing: 7 5/8" CSA 34' Cem w/9SX, K.B.

Plugging: Daktoa; 50' plug 2395'-2445' & 2080'-2130'
100' plug 1390'-1490. Base of Massive Gallup. Land owner cased through
Massive Gallup - Flowing fresh water well.

Test Data: No tests run

Electrical

Surveys: Welex - Induction-Electric Log 2443'-30'
Gamma Ray-Density 2449'-1200'

FORMATION TOPS

<u>Formation Name</u>	<u>Depth - KB Feet</u>	<u>KB Datum Feet</u>
Hospah Gallup	1222	+5334
Massive Gallup	1262	+5294
Middle Mancos	1365	+5191
Greenhorn	2010	+4540
Graneros	2060	+4496
Dakota	2090	+4466
Dakota DE Zone	2210	+4346
Morrison	2385	4171
Total Depth	2456	+4100

SAMPLE DESCRIPTION
(Tops are Log Tops)

Top of Hospah Gallup 1222'

1200-30' Sltstn 50%, sh lt gry 40%, ss 10%
1230-80' Section as above w/40% sltstn; 30% ss, 30% sh.

Top of Massive Gallup 1262'

1280-1370' ss, fn to med gr, p cons, well sorted lt gry 80%, sh 20%

Top of Middle Mancos 1365'

1370-1680' Sh, dark gry 80%, ss 10% sltstn 10%
1680-1700' Sh, as above 60% ss, 20% sltstn 20%
1700-2020' Sh, 90%, sltstn 10%

Top of Greenhorn 2010'

2020-2070' Sh, dark gry 70%, sltstn 30%

Top of Graneros 2060'

2070-2100' Sh, dark gry 90%, sltstn 10%, Some purite xls.

Top of Dakota 2090'

2100-2150' Sh, as above 50%, ss lt gry, well cons
lt gry 40%, sltstn 10%
2150-2210' Sh, as above 70%, ss 30%
decreasing to 10% at bottom of interval.

Top of Dakota DE Zone 2210'

2220-2250 SS, lt gry, p cons med gr
well sorted 60%, sh 40%
2250-80' Sh 70%, ss 30% decreasing to 10% at bottom of interval
2280-2320' ss, lt gry well cons, med to fn gr. 50%, sh 50%.
2320-90' Sh. 70%, ss 20%, sltstn 10%, some coal in bottom of interval

Top of Morrison 2385'

2390-2410' Sh dark gry 50%, sltstn 20%, sh, lt green 30%.
2410-2456' ss, white, med gr. well sorted 80%, dark gry sh 20%

SUMMARY

This well had a strong fresh water flow from approximately 400 feet through the various sands including Massive Gallup. Estimated flow rate was 200 GPM. Due to hole condition, no drill stem test was run. Analysis of well cuttings and electrical log indicated the presence of no hydrocarbons.

The well was plugged back to the base of the Massive Gallup and turned over to the landowner for completion as a water well.


Walter H. Williams

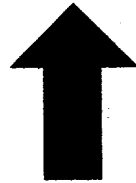
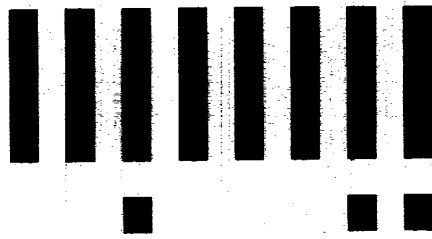
DRILLING TIME - MINUTES PER FIVE FEET

SHAR-ALAN - FERNANDEZ No 4

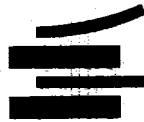
Mc KINLEY CO. NEW MEXICO

DEPTH	5	10	15	20	25	30	35	40	45	50	55	60	65	70	75	80	85	90	95	100		
0-100									11	10	9	7	4	3	5	8	5	5	8	9	10	
100-200	6	6	5	6	6	8	6	8	6	33	9	10	8	14	7	8	4	13	15	3		
200-300	4	4	3	4	2	4	2	5	4	4	4	4	3	6	6	3	15	4	3	6		
300-400	6	6	5	5	4	5	4	4	6	5	4	9	7	5	5	5	5	5	4	5		
400-500	4	4	3	5	4	7	4	6	4	5	5	5	3	3	2	2	2	2	3	4		
500-600	4	3	4	4	5	5	4	5	5	5	4	5	4	5	6	5	5	4	3	3		
600-700	3	4	4	4	5	4	4	4	4	4	4	4	5	8	5	5	12	9	3	4		
700-800	4	3	5	5	3	4	5	4	4	4	5	4	4	3	5	3	3	5	3	8		
800-900	8	4	5	6	7	4	4	5	5	6	7	4	5	10	4	7	6	7	6	8		
900-1000	7	7	6	5	12	7	5	8	7	7	6	7	6	8	6	5	8	8	8	9		
1000-1100	6	6	7	10	9	9	8	7	8	7	9	9	9	11	9	8	8	10	9	10		
1100-1200	10	12	12	10	7	15	10	10	11	13	9	10	12	20	20	22	18	13	10	9		
1200-1300	9	11	11	12	11	11	7	6	7	5	6	8	8	7	7	7	5	4	4	4		
1300-1400	3	4	5	4	5	8	5	8	7	6	9	10	9	10	9	6	4	6	7	8		
1400-1500	11	11	14	14	14	15	14	15	11	10	8	14	14	13	13	13	16	16	13	10		
1500-1600	13	12	10	10	10	14	9	15	16	6	10	9	9	10	10	8	10	8	9	11		
1600-1700	10	9	10	9	8	8	7	6	5	5	6	8	6	5	8	7	7	8	6	6		
1700-1800	5	4	-	-	-	-	-	-	4	4	7	5	6	6	6	4	5	6	6	7		
1800-1900	7	8	6	5	5	5	4	4	4	5	5	5	6	5	5	7	5	4	5	8		
1900-2000	5	10	6	5	5	4	3	7	5	6	7	8	4	6	5	4	7	7	6	7		
2000-2100	5	5	10	12	6	9	9	4	9	10	8	12	7	9	4	6	6	5	8	8		
2100-2200	7	7	5	7	11	11	8	10	12	10	11	14	9	12	11	10	11	11	8	11		
2200-2300	12	9	6	14	6	8	13	16	26	12	8	6	10	12	17	18	11	8	10	10		
2300-2400	10	10	14	14	16	-	Geolograph Out										-	-	-	-	-	13
2400-2500	9	9	9	9	13	14	14	16	15	17	TO 2452'											
2500-2600																						
2600-2700																						
2700-2800																						

Note. All depths are measured from Ground Level.



LTR



Job separation sheet

NEW MEXICO OIL CONSERVATION COMMISSION
SANTA FE, NEW MEXICO

RECEIVED

AFFIDAVIT OF RESPONSIBILITY
CONVERSION TO WATER-WELL

NOV 11 1971

OIL CONSERVATION COMM.
SANTA FE

STATE OF Colorado)
County of Denver) ss.

Alan G. Pasternak, being first duly sworn according to law, upon his oath deposes and says:

1. That he is Secretary of Shur-Alan Oil Corporation
(Title) (Operator)
whose address is 4101 E. Louisiana Ave. Denver, Colorado.
2. That Shur-Alan Oil Corp. is the operator of a well drilled on land be-
(Operator)
longing to Fernandez Company, whose address is _____
(Landowner)
_____, said well being drilled to test for hydrocarbons and/or
carbon dioxide gas and described as the Fernandez No. 4, being located 1790
feet from the South line and 630 feet from the East line of Section 9,
Township 15 North, Range 7 West, NMPM, McKinley
County, New Mexico.
3. That said well was drilled to a total depth of 2456 feet, and that cas-
ing has been set and cemented as follows:
34' surface casing
4. That operator and landowner have made an agreement whereby operator
(is) (~~is not~~) to back fill pits, level location, and clear it of all junk. The agreement
further provides that operator is to plug said well back to a plugged-back total depth of
1380 feet and transfer well to landowner for his use as a water-well. Operator will
leave casing in the well as follows:
same as per No. 3
5. That when operator has complied with the provisions of Paragraph 4 above
it will so notify the Oil Conservation Commission of the State of New Mexico on Com-
mission Form C-103, together with a signed statement from the landowner that the
provisions of Paragraph 4 above have been complied with to his satisfaction.

RECEIVED

NOV 17 1971

Shur-Alan Oil Corporation
(Operator)
By Alan G. Pasternak
Subscribed and sworn to before me this 20 day of October, A. D. 19 71.
Henry F. Evans
Notary Public in and for the County of Denver

STATE OF COLORADO)
County of DENVER) ss.

Fernandez Company, being first duly sworn according to law, upon
his oath deposes and says that when the provisions of Paragraphs 4 and 5 above have been
complied with, he will accept the above-described well for his use as a water-well, and
that he will assume all responsibility for the well, the location, and the conversion of the
well to a water-well.

Fernandez Company
(Landowner)
Subscribed and sworn to before me this 27th day of October, A. D. 19 71.
Tom McRaney
Notary Public in and for the ~~State of Colorado~~ State of Colorado
My commission expires May 22, 1972