

1138

30-045-24091

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DATA SHEET FOR DEEP GROUND BED CATHODIC PROTECTION WELLS
NORTHWESTERN NEW MEXICO

(Submit 3 copies to OCD Aztec Office)

Operator MERIDIAN OIL Location: Unit NW Sec. 29 Twp 32 Rng 6Name of Well/Wells or Pipeline Serviced ALLISON UNIT #41A

cps 1775w

Elevation 6459' Completion Date 9/6/85 Total Depth 480' Land Type* N/ACasing, Sizes, Types & Depths N/AIf Casing is cemented, show amounts & types used N/A

If Cement or Bentonite Plugs have been placed, show depths & amounts used

N/A

Depths & thickness of water zones with description of water when possible:

Fresh, Clear, Salty, Sulphur, Etc. 80' & 160' SAMPLE TAKENDepths gas encountered: N/AType & amount of coke breeze used: 5875 lbs.Depths anodes placed: 445', 435', 410', 400', 390', 360', 315', 240', 225', 210'Depths vent pipes placed: 470'Vent pipe perforations: 400'Remarks: gb #1

If any of the above data is unavailable, please indicate so. Copies of all logs, including Drillers Log, Water Analyses & Well Bore Schematics should be submitted when available. Unplugged abandoned wells are to be included.

*Land Type may be shown: F-Federal; I-Indian; S-State; P-Fee.

If Federal or Indian, add Lease Number.

WELL CASING
CATHODIC PROTECTION CONSTRUCTION REPORT
DAILY LOG

Drilling Log (Attach Hereto) ☐Completion Date 9/6/85

CPS #		Well Name, Line or Plant		Work Order #		Static		Ins Union Check	
1775 W		ALLISON UNIT #41A				600' N = .77 V		☒ Good ☐ Bad	
Location		Anode Size		Anode Type		Size Bit			
NW 29-32-6		2" X 60"		DURION		6 3/4"			
Depth Drilled		Depth Logged		Drilling Rig Time		Total Lbs. Goke Used		Lost Circulation Mat'l Used	
480'		470'				5875			
Anode Depth									
# 1	445	# 2	435	# 3	410	# 4	400	# 5	390
# 6	360	# 7	315	# 8	240	# 9	225	# 10	21
Anode Output (Amps)									
# 1	2.4	# 2	2.7	# 3	3.5	# 4	3.5	# 5	2.7
# 6	3.2	# 7	3.1	# 8	3.7	# 9	3.5	# 10	2.1
Anode Depth									
# 11		# 12		# 13		# 14		# 15	
# 16		# 17		# 18		# 19		# 20	
Anode Output (Amps)									
# 11		# 12		# 13		# 14		# 15	
# 16		# 17		# 18		# 19		# 20	
Total Circuit Resistance						No. 8 C.P. Cable Used		No. 2 C.P. Cable Used	
Volts 12.5		Amps 17.8		Ohms .7					

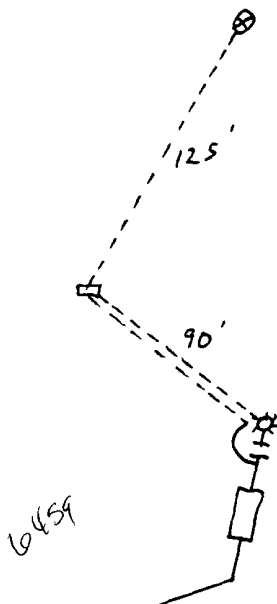
Remarks: Drilled To 300', Approx. 40' of WATER STANDING IN HOLE NEXT A.M.
WATER SAND WAS AT 80' & 160', Drilled To ~~480'~~ 470', Logged 470'. Installed 470'
1" P.V.C. VENT PIPE, PERFORATED TO 70'.

Rectifier Size: 40 V 16 A
 Addn'l Depth:
 Depth Credit: 30'
 Extra Cable: 120'
 Ditch & 1 Cable: 215'
 25' Meter Pole:
 20' Meter Pole: 1
 10' Stub Pole:

All Construction Completed

(Signature)

GROUND BED LAYOUT SKETCH



Time	Res.	O.T.
9/6/85	10	0 N

EL PASO NATURAL GAS COMPANY
DRILLING DEPARTMENT

CPS 1775 W

DAILY DRILLING REPORT

LEASE <u>ALISON UNIT</u> WELL NO. <u>4419</u> CONTRACTOR										RIG NO.		REPORT NO.		DATE <u>9/6/85</u> 19	
MORNING										DAYLIGHT		EVENING			
Driller <u>Tim C RIFFEL</u>		Total Men In Crew <u>5</u>		Driller		Total Men In Crew		Driller		Total Men In Crew					
FROM	TO	FORMATION	WT-BIT	R.P.M.	FROM	TO	FORMATION	WT-BIT	R.P.M.	FROM	TO	FORMATION	WT-BIT	R.P.M.	
BIT NO.		NO. DC		SIZE	NO. DC		SIZE	LENG.		NO. DC		SIZE	LENG.		
SERIAL NO.		STANDS			STANDS					SERIAL NO.					
SIZE		SINGLES			SINGLES					SIZE					
TYPE		DOWN ON KELLY			DOWN ON KELLY					TYPE					
MAKE		TOTAL DEPTH			TOTAL DEPTH					MAKE					
MUD RECORD		MUD, ADDITIVES USED AND RECEIVED			MUD RECORD		MUD, ADDITIVES USED AND RECEIVED			MUD RECORD		MUD, ADDITIVES USED AND RECEIVED			
Time	Wt.	Vis.			Time	Wt.	Vis.			Time	Wt.	Vis.			
FROM	TO	TIME BREAKDOWN			FROM	TO	TIME BREAKDOWN			FROM	TO	TIME BREAKDOWN			
REMARKS -		REMARKS -													
		0-40 SAND STONE / BROWN SHALE													
		40-70 BLUE SHALE													
		70-80 SAND STONE & MOISTURE													
		80-140 BLUE / BROWN SHALE													
		140-160 SAND STONE (CUMULATIVE)													
		160-180 BLUE SHALE													
		470 T.D.													

SIGNED: Toolpusher Tim C Riffel Company Supervisor

CPS 1775W

ALLISON UNIT 41A

NW 29-32-6

Drilled To 300'. Approx 40'
of WATER in Hole next
A.M. WATER SAND WAS AT
80' & 160'. Drilled To 480'.
Logged 470'. INSTALLED 470'
of 1" P.V.C. VENT PIPE, Perforat
ed To 70'.

MW	gals/mol
16.04	C ₁ 6.4
30.07	C ₂ 10.12
44.10	C ₃ 10.42
58.12	iC ₄ 12.38
58.12	nC ₄ 11.93
72.15	iC ₅ 13.85
72.15	nC ₅ 13.71
86.18	iC ₆ 15.50
86.18	C ₆ 15.57
100.21	iC ₇ 17.2
100.21	C ₇ 17.46
114.23	C ₈ 19.39
28.05	C ₂ 9.64
42.08	C ₃ 9.67

MW	MISC	gals/mol
32.00	O ₂	3.37
28.01	CO	4.19
44.01	CO ₂	6.38
64.06	SO ₂	5.50
34.08	H ₂ S	5.17
28.01	N ₂	4.16
2.02	H ₂	3.38

200 - .7	360 - .8 - ⑥
.7	.5
10 - .7 - ⑩	70 - .6
.7	.6
20 - .8	80 - .5
.8 - ⑨	.6
30 - .7	90 - .7 - ⑤
.7	.7
40 - .7 - ⑧	400 - .7 - ④
.7	.6
50 - .7	10 - .8 - ③
.5	.6
60 - .6	20 - .6
.7	.6
70 - .5	30 - .6
.6	.7 - ②
80 - .5	40 - .7
.7	.7 - ①
90 - .6	50 - .7
.5	.6
300 - .6	60 - .6
.6	.8
10 - .7	70 - .7
.7 - ⑦	470 T.P.
20 - .6	80 - .7
.7	
30 - .5	90 - .7
.6	
40 - .6	500 - .7
.5	
50 - .5	
.6	

$$12.5 V. \quad 12.8 A. = .7 \Omega$$

1 - 445 - .7 - 2.4
2 - 435 - .7 - 2.7
3 - 410 - .7 - 3.5
4 - 400 - .6 - 3.5
5 - 390 - .7 - 2.7
6 - 360 - .8 - 3.2
7 - 315 - .7 - 3.1
8 - 240 - .7 - 3.7
9 - 225 - 1.0 - 3.5
10 - 210 - .9 - 2.4

EL PASO NATURAL GAS COM. NY
SAN JUAN DIVISION
FARMINGTON, NEW MEXICO
PRODUCTION DEPARTMENT WATER ANALYSES

ANALYSIS NO.: 1-11769 DATE: OCTOBER 11, 1985
OPERATOR: MERIDIAN OIL WELL NAME: ALLISON UNIT #41A CPS 1775W
LOCATION: NW 29-32-6 COUNTY SJ STATE: NM
FIELD: IGNACIO FORMATION:
SAMPLED FROM: 80 FEET
DATE SAMPLED: SEPTEMBER 6, 1985 SECURED BY:
TUBING PRESSURE: CASING PRESSURE:
SURFACE CASING PRESSURE:

	SAMPLE SIZE	ml.	TIT	AS CaCO ₃	AS ION	epm
TOTAL ALKALINITY	50		4.3	86		
P ALKALINITY	50		0	0		
BICARBONATE	50		4.3	86	105	1.72
CARBONATE	50		0	0	0	0.00
CHLORIDE	50		12.1		242	6.82
SULFATE					66	1.37
TOTAL HARDNESS	50		1.1	22		
CALCIUM	50		1.1	22	9	0.44
MAGNESIUM	50		0	0	0	0.00
IRON					ND	
SODIUM (CALCULATED)					218	9.48
H ₂ S					ND	
HYDROCARBONS					ND	
TOTAL DISSOLVED SOLIDS					580	
pH					8.03	
SPECIFIC GRAVITY				NT AT 60F		
RESISTIVITY				952 OHM-CM AT		
CONDUCTIVITY				1050 MICROMHOS @ 25C.		

ALL RESULTS EXPRESSED IN PARTS PER MILLION-TRACE IS LESS THAN 0.1 ppm.

CC: R. A. ULLRICH
J. D. EVANS
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G. C. KARDOS
FILE

SANDRA ARAGON

CHEMIST GCK

