

1071

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30-045-25425

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

(Submit 3 copies to OCD Aztec Office)

Operator MERIDIAN OIL Location: Unit NE Sec. 26 Twp 32 Rng 7Name of Well/Wells or Pipeline Serviced ALLISON UNIT COM #60

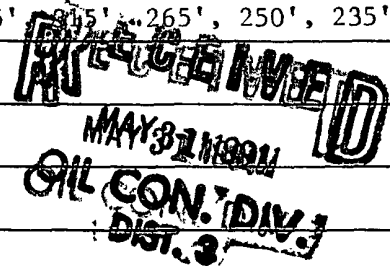
cps 1781w

Elevation 6520' Completion Date 8/27/85 Total Depth 422' 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. 40' - 60'Depths gas encountered: N/AType & amount of coke breeze used: 5250 lbs.Depths anodes placed: 395', 385', 370', 335', 325', 315', 265', 250', 235', 220'Depths vent pipes placed: 422'Vent pipe perforations: 380'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 8/27/85

CPS #		Well Name, Line or Plant:		Work Order #		Static		Ins. Union Check	
1781W		ALLISON UNIT COM. 60				100 W = .80 V		☒ Good ☐ Bad	
Location: NE 26-32-7		Anode Size: 2" X 60"		Anode Type: Durion		Size Bit: 6 3/4"			
Depth Drilled 422'		Depth Logged 422'		Drilling Rig Time		Total Lbs Goke Used 5250		Lost Circulation Mat'l Used	
Anode Depth									
# 1 395'	# 2 385'	# 3 370'	# 4 335'	# 5 325'	# 6 315'	# 7 265'	# 8 250'	# 9 235'	# 10 220'
Anode Output (Amps)									
# 1 3.4	# 2 3.5	# 3 3.2	# 4 3.5	# 5 3.8	# 6 3.5	# 7 4.0	# 8 3.6	# 9 4.6	# 10 4.4
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 12.26		Amps 20.2		Ohms .6					

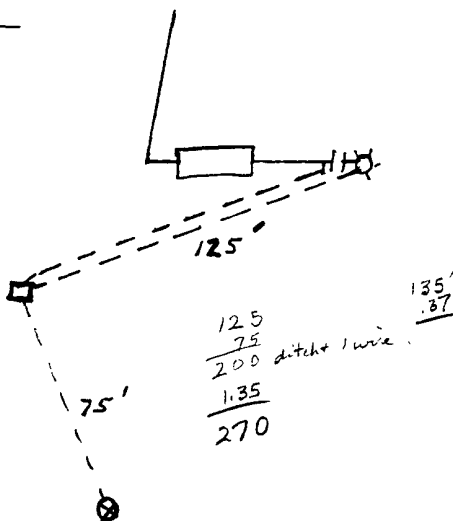
Remarks: Driller said water at 40'-60'. Approx. 1 gal./min. Drilled to 70' water standing in hole at 60' next a.m. Drilled thru a damp sp. at 80' + 110'. Drilled 422'. Logging anode stopped at 422'. Installed 422' of 1" P.V.C. vent pipe, perforated to 42'.

Rectifier Size: 40 V 16A
 Addn'l Depth: —
 Depth Credit: 78'
 Extra Cable: 155' x .37 = 57.35
 Ditch & 1 Cable: 200' x 1.35 = 270.
 25' Meter Pole: —
 20' Meter Pole: 1
 10' Stub Pole: —

All Construction Completed

(Signature)

GROUND BED LAYOUT SKETCH



Time	Reg.	O.T.	N
8/27/85	10	3	

4740.00
 - 234.00 depth credit
 270.00 ditch + wire
 57.35 extra wire
 500.00 20' meter pole
 700.00 40-16 rectifier
 300.00 Junction Box
 \$ 6533.35

Same

6520

EL PASO NATURAL GAS COMPANY
DRILLING DEPARTMENT

DAILY DRILLING REPORT

C.P.S. 1781 W

LEASE ALLISON UNIT COM WELL NO. #60 CONTRACTOR _____ RIG NO. _____ REPORT NO. _____ DATE 8/27/85 19

MORNING					DAYLIGHT					EVENING				
Driller <u>Tim C RIFFEL</u> Total Men In Crew <u>6</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.

NO. DC _____ SIZE _____ LENG. _____		NO. DC _____ SIZE _____ LENG. _____		NO. DC _____ SIZE _____ LENG. _____		NO. DC _____ SIZE _____ LENG. _____		NO. DC _____ SIZE _____ LENG. _____	
BIT NO. _____		BIT NO. _____		BIT NO. _____		BIT NO. _____		BIT NO. _____	
SERIAL NO. _____		SERIAL NO. _____		SERIAL NO. _____		SERIAL NO. _____		SERIAL NO. _____	
STANDS _____		STANDS _____		STANDS _____		STANDS _____		STANDS _____	
SINGLES _____		SINGLES _____		SINGLES _____		SINGLES _____		SINGLES _____	
DOWN ON KELLY _____		DOWN ON KELLY _____		DOWN ON KELLY _____		DOWN ON KELLY _____		DOWN ON KELLY _____	
TOTAL DEPTH _____		TOTAL DEPTH _____		TOTAL DEPTH _____		TOTAL DEPTH _____		TOTAL DEPTH _____	

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 - <u>0-40 SAND STONE / BROWN SHALE</u> <u>40-60 SAND STONE / GRAY SHALE (C MOISTURE)</u> <u>60-80 SAND STONE (C MOISTURE)</u> <u>80-300 SAND STONE / SANDY GRAY SHALE</u> <u>300-420 BLUE SHALE</u> <u>422 TOTAL DEP</u> <u>422 T.D.</u>	REMARKS - <u>1 G.P.M. AT 60 FT</u>	REMARKS -

SIGNED: Toolpusher Tim C Riffel Company Supervisor _____

JS

CPS 1781 W

ALLISON UNIT COM. #60

NE 26-32-7

Driller said WATER AT 40 TO 60'. APPROX. 1 GAL/MIN. DRILLED TO 70'. WATER STANDING IN HOLE AT 60' NEXT A.M. DRILLED THRU A DAMP SPOT AT 80', AND AT 110' DRILLED 422' T.D. 422'. INSTALLED 422' OF 1" P.V.C. VENT PIPE, PERFECTED TO 42'.

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

100 - .5	220 - .6
.10	.6
10 - .8	80 - .5
.8	.6
20 - 1.0	90 - .7
.8	.7
30 - .7	300 - .7
.9	.8
40 - 1.0	10 - .7
.8	.9 - ①
50 - .9	20 - .8
.5	.7 - ⑤
60 - .9	30 - .8
.9	.9 - ④
70 - .6	40 - .6
.8	.7
80 - .7	50 - .5
.6	.7
90 - .6	60 - .7
.5	.7
200 - .5	70 - .8 - ③
.4	.7
10 - .3	80 - .7
.6	.8 - ②
20 - .9 - ⑩	90 - .8
.6	.8 - ①
30 - .6	400 - .8
.8 - ⑨	.7
40 - .8	10 - .8
.8	.8
50 - .9 - ⑧	20 - T.D. 422'
.6	
60 - .8	
.8 - ⑦	

20.2 A. @ 12.26 V = .6 R

1 - 395'	1.1 - 3.4
2 - 385'	1.1 - 3.5
3 - 370'	1.0 - 3.2
4 - 335'	1.1 - 3.5
5 - 325'	.9 - 3.8
6 - 315'	1.1 - 3.5
7 - 265'	1.3 - 4.0
8 - 250'	1.2 - 3.6
9 - 235'	1.1 - 4.6
10 - 220'	1.4 - 4.4