

1398

E

#15-A 30-045- 24413

#129 30-045- 27133

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

(Submit 3 copies to OCD Aztec Office)

Operator MERIDIAN OIL Location: Unit SE Sec. 16 Twp 32 Rng 7

Name of Well/Wells or Pipeline Serviced ALLISON UNIT #5A, #129

cps 1654w

Elevation 6471' Completion Date 9/8/83 Total Depth 640' Land Type* N/A

Casing, Sizes, Types & Depths N/A

If 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. 280'

Depths gas encountered: N/A

Type & amount of coke breeze used: 6400 lbs.

Depths anodes placed: 615', 595', 570', 540', 465', 390', 370', 345', 330', 310'

Depths vent pipes placed: 640'

Vent pipe perforations: 500'

Remarks: (gb #1

RECEIVED

MAY 31 1991.

**OIL CON. DIV. J
DIST. 3**

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 9-8-83

CPS # 1654W Well Name, Line or Plant: ALLISON SA Work Order # 57825 Static: .79 Ins. Union Check

	#129			<input checked="" type="checkbox"/> Good <input type="checkbox"/> Bad
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Location: <u>SE16-32-7</u>	Anode Size: <u>2" x 60"</u>	Anode Type: <u>DM1212DN</u>	Size Bit: <u>6 3/4"</u>
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Depth Drilled: <u>640</u>	Depth Logged: <u>640</u>	Drilling Rig Time	Total Lbs Coke Used: <u>6400</u>	Lost Circulation Mat'l Used	No. Sacks Mud Used
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Anode Depth									
# 1	# 2	# 3	# 4	# 5	# 6	# 7	# 8	# 9	# 10
<u>615</u>	<u>595</u>	<u>570</u>	<u>540</u>	<u>465</u>	<u>390</u>	<u>370</u>	<u>345</u>	<u>330</u>	<u>310</u>
Anode Output (Amps)									
# 1	# 2	# 3	# 4	# 5	# 6	# 7	# 8	# 9	# 10
<u>1.85</u>	<u>1.75</u>	<u>1.74</u>	<u>3.20</u>	<u>2.50</u>	<u>2.26</u>	<u>3.05</u>	<u>3.06</u>	<u>2.75</u>	<u>2.75</u>
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				
Volts <u>12.07</u>		Amps <u>13.00</u>		Ohms <u>.92</u>					

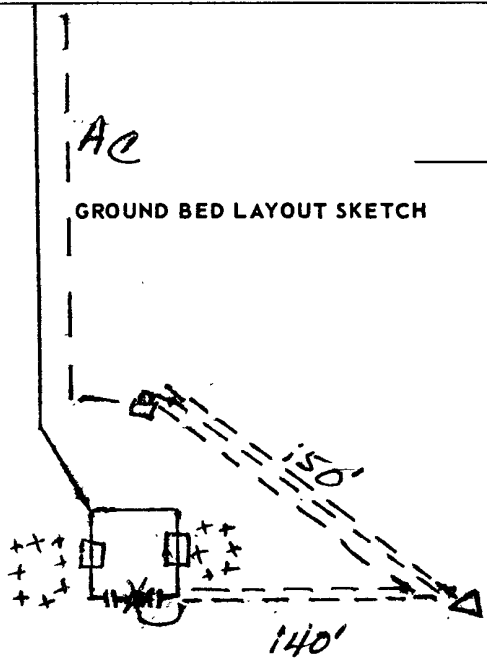
Remarks: Drilled to 380' set overnight. Below water from 280'. Drilled up w/ air & drilled ahead to 440'. Tripped out to change bits. Too much water to dry up started injecting & drilled ahead. 740' plain vent pipes.

- Rectifier Size: 40V 16A ✓
- Add'l Depth: +140 ✓
- Depth Credit: _____
- Extra Cable: 455' ✓
- Ditch & 1 Cable: 190' ✓
- 25' Meter Pole: _____
- 20' Meter Pole: _____
- 10' Stub Pole: X ✓

All Construction Completed

B.T.
(Signature)

GROUND BED LAYOUT SKETCH



	TIME	
DATE		
<u>918</u>	<u>8</u>	<u>5</u>

6471

EL PASO NATURAL GAS COMPANY
DRILLING DEPARTMENT

DAILY DRILLING REPORT

LEASE *Allison*

WELL NO. *#5A*

CONTRACTOR *SK Drilling*

RIG NO. *3*

REPORT NO. *1654*

DATE *9-7*

19 *83*

MORNING

DAYLIGHT

EVENING

Driller					Total Men In Crew					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.	FROM	TO	FORMATION	WT-BIT	R.P.M.	FROM	TO	FORMATION	WT-BIT	R.P.M.	FROM	TO	FORMATION	WT-BIT	R.P.M.					
					<i>0</i>	<i>280</i>	<i>SANDY SHALE</i>	<i>6 3/4</i>																										
					<i>280</i>	<i>640</i>	<i>SAND</i>																											
							<i>LOGGED TO 640'</i>																											

BIT NO.	NO. DC	SIZE	LENG.	BIT NO.	NO. DC	SIZE	LENG.	BIT NO.	NO. DC	SIZE	LENG.	BIT NO.	NO. DC	SIZE	LENG.

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.	Time	Wt.	Vis.	Time	Wt.	Vis.	Time	Wt.	Vis.

FROM	TO	TIME BREAKDOWN	FROM	TO	TIME BREAKDOWN	FROM	TO	TIME BREAKDOWN

REMARKS -	REMARKS -	REMARKS -
	<i>Dry to 280'</i> <i>water 300'</i>	

SIGNED: Toolpusher *Billy Sommers* Company Supervisor *David Ashworth*

1654W
SE16-32-7

ALCISON #5A

184-57825-21-50-206

Drilled to 280' set overnight Blow water sample next AM. Drilled to 440' tripped out to change bits. Started making more water started injection 140' plain vent

300	64	80	60	55	62	31	49	5	73
5	61	85	53	60	60	35	69	10	77
10	66	90	56	65	57	40	77	15	64
15	67 (10)	95	64 (6)	70	64 (5)	45	70 (4)	20	64
20	44	400	64	75	37	50	41	25	60
25	60	5	59	80	38	55	27	30	49
30	61	10	50	85	32	60	55	35	50
35	63 (9)	15	43	90	39	65	55	40	50
40	63	20	51	95	30	70	31		
45	64	25	55	500	55	75	61 (3)		
50	66 (8)	30	53	5	60	80	63		
55	65	35	57	10	58	85	60		
60	60	40	57	15	52	90	58		
65	65	45	43	20	47	95	68*		
70	66 (7)	50	41	25	46	1000	75 (2)		
75	62								

615' 1= .68 1.85

390' 6= .70 2.26 Volts 12.1

595' 2= .70 1.75

370' 7= 1.10 3.05 Amps 13.1

570' 3= .67 1.74

345' 8= 1.08 3.06 Amps 9.1

540' 4= .99 3.20

330' 9= .92 2.75

465' 5= .85 2.50

310' 10= 1.02 2.75

EL PASO NATURAL GAS COMPANY
 SAN JUAN DIVISION
 FARMINGTON, NEW MEXICO
 PRODUCTION DEPARTMENT WATER ANALYSIS

Analysis No. 1-10923 Date November 15, 1983

Operator El Paso Natural Gas Well Name Allison 5A CPS 1654W

Location SE 16-32-7 County _____ State New Mexico

Field Ignacio Formation _____

Sampled From 280 feet CPS 1654W

Date Sampled September 8, 1983 By Bill Tatum

Tbg. Press. _____ Csg. _____ Surface Csg. Press. _____

	ppm	epm		ppm	epm
Sodium	<u>630</u>	<u>27.4</u>	Chloride	<u>680</u>	<u>19.2</u>

	<u>40</u>	<u>2.0</u>		<u>183</u>	<u>3.0</u>
Calcium			Bicarbonate		

	<u>1</u>	<u>0.1</u>		<u>350</u>	<u>7.3</u>
Magnesium			Sulfate		

	<u>.</u>			<u>0</u>	<u>0</u>
Iron			Carbonate		

				<u>0</u>	<u>0</u>
H ₂ S			Hydroxide		

cc: R. A. Ullrich
 E. R. Paulek
 J. W. McCarthy
 J. D. Evans
 W. B. Shropshire
 D. C. Adams
 File

Total Solids Dissolved 1,804

pH 8.3

Sp. Gr. 1.0005 At 60°F

Resistivity 270 ohm-cm at 76°F

Joe Barnett

Chemist *GCK*

