

1057

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2A - 30-039-21728

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. 5 Twp 26 Rng 5

Name of Well/Wells or Pipeline Serviced JICARILLA 152 W #2A  
cps 1734w

Elevation 6575' Completion Date 10/22/85 Total Depth 360' 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. 100' SAMPLE TAKEN

Depths gas encountered: N/A

Type & amount of coke breeze used: 4250 lbs.

Depths anodes placed: 318', 309', 300', 291', 282', 273', 264', 255', 246', 237'

Depths vent pipes placed: 340'

Vent pipe perforations: 60'

Remarks: gb #1

**RECEIVED**  
MAY 31 1991.  
OIL CON. DIV.  
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.

CATHODIC PROTECTION CONSTRUCTION REPORT  
DAILY LOG

Drilling Log (Attach Hereto)

Completion Date 10/22/85

CPS #	Well Name, Line or Plant:		Work Order #	State:	Ins. Union Check						
1734 W	JICARILLA 152W *2A			TX	<input checked="" type="checkbox"/> Good <input type="checkbox"/> Bad						
Location:	Anode Size:	Anode Type:	Size Bit:								
SE5-26-5	2" x 60"	DURION	6 3/4"								
Depth Drilled	Depth Logged	Drilling Rig Time	Total Lbs. Goke Used	Lost Circulation Mat'l Used			No. Sacks Mud Used				
360'	340'		4250								
Anode Depth	# 1	# 2	# 3	# 4	# 5	# 6	# 7	# 8	# 9	# 10	
	318	309	300	291	282	273	264	255	246	237	
Anode Output (Amps)	# 1	# 2	# 3	# 4	# 5	# 6	# 7	# 8	# 9	# 10	
	3.4	3.3	2.6	3.7	4.5	4.2	4.1	3.9	4.1	3.2	
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	Volts		Amps		Ohms		No. 8 C.P. Cable Used			No. 2 C.P. Cable Used	
	11.7		16.5		.71						

Remarks: Drilled To 180' Driller SAID WATER AT 100', WATER STAND IN HOLE NEXT A.M. AT 80'. Drilled To 360', Logged 340', INSTALLED 340' of 1" P.V.C. vent pipe, perforated to 60'.

Rectifier Size: 40 V 16 A - 900.00  
 Adn'l Depth \_\_\_\_\_  
 Depth Credit: 160' x 3.00 = 480.00  
 Extra Cable: 155' x .37 = 57.35  
 Ditch & 1 Cable: 231' x 1.35 = 311.85  
 25' Meter Pole: \_\_\_\_\_  
 20' Meter Pole: \_\_\_\_\_  
 10' Stub Pole: 1 - 400.00

All Construction Completed

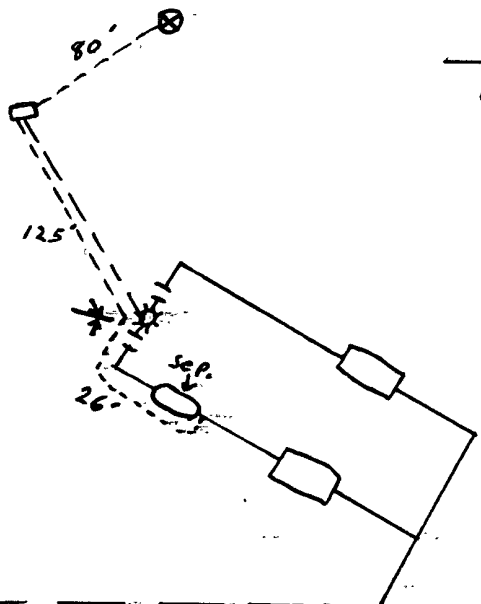
*JE Stahl*  
(Signature)

4740.00  
 - 480.00  
 57.35  
 311.85  
 900.00  
 400.00  
 300.00  


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 \$ 6229.20

GROUND BED LAYOUT SKETCH



Time	Reg.	O.T.
10/22/85	8	3

6575

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

ANALYSIS NO.: 1-11813  
 OPERATOR: MERIDIAN OIL  
 LOCATION: 5-26-5  
 FIELD: GOVERNADOR  
 SAMPLED FROM: GROUND BED AT 100 FEET  
 DATE SAMPLED: 10/22/85  
 TUBING PRESSURE:  
 SURFACE CASING PRESSURE:

DATE: DECEMBER 3, 1985  
 WELL NAME: JICARILLA 152W #2A *CPS 1734*  
 COUNTY RIO ARRIBA STATE: NEW MEXICO  
 FORMATION: SURFACE

SECURED BY: JOE STOTTS  
 CASING PRESSURE:

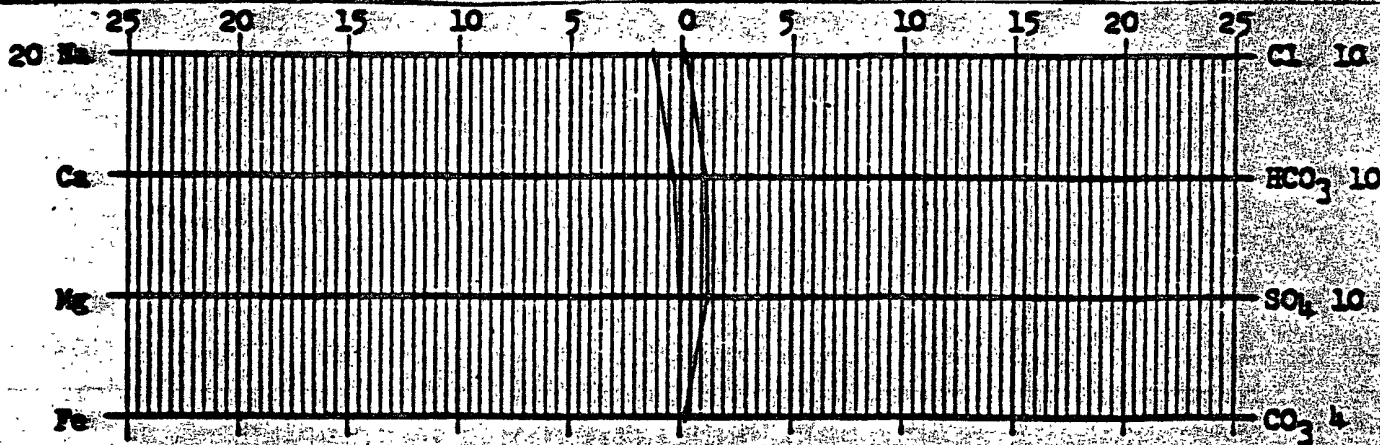
	SAMPLE SIZE	ml.	TIT	AS CaCO3	AS ION	epm
TOTAL ALKALINITY	25		15	600		
P ALKALINITY	25		1	40		
BICARBONATE	25		13	520	634	10.40
CARBONATE	25		2	80	48	1.60
CHLORIDE	50		1.4		28	0.79
SULFATE					626	13.02
TOTAL HARDNESS	50		.8	16		
CALCIUM	50		.8	16	6	0.32
MAGNESIUM	50		0	0	0	0.00
IRON						
SODIUM (CALCULATED)					586	25.49
H2S						
HYDROCARBONS						
TOTAL DISSOLVED SOLIDS					1552	
pH					8.7	
SPECIFIC GRAVITY				1.0007 AT 60F		
RESISTIVITY				417 OHM-CM AT 72		
CONDUCTIVITY				2400 MICROMHGS @ 25C.		

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

CC: R. A. UELRICH  
 J. D. EVANS  
 D. C. ADAMS  
 E. R. PAULEK  
 W. B. SHROPSHIRE  
 FILE

DENNIS BIRD

CHEMIST *GCK*



Scale: epm

EL PASO NATURAL GAS COMPANY  
CONSTRUCTION LOGGING READINGS

CPS #: 1734 W WELL NAME: JICARILLA 152W 2A LOCATION: SE5-26-5 DATE: 10/22/85

TOTAL VOLTS: 11.7 TOTAL AMPS: 16.5 OHMS RESISTANCE: .71

											ANODE READINGS				
DEEP	LOG ANODE	ANODE NO.	DEEP	LOG ANODE	ANODE NO.	DEEP	LOG ANODE	ANODE NO.	DEEP	LOG ANODE	ANODE NO.	NO.	DEPTH	NO COKE	WITH COKE
5			185	1.5		365			545			1	318	2.3	3.4
10			190	1.1		370			550			2	309	1.9	3.3
15			195	.7		375			555			3	300	1.7	2.6
20			200	1.3		380			560			4	291	2.2	3.7
25			205	1.4		385			565			5	282	2.4	4.5
30			210	1.0		390			570			6	273	2.6	4.2
35			215	.8		395			575			7	264	2.6	4.1
40			220	.8		400			580			8	255	2.4	3.9
45			225	1.0		405			585			9	246	2.5	4.1
50			230	1.3		410			590			10	237	1.9	3.2
55			235	1.8		415			595						
60			240	1.9	⊙	420			600						
65			245	1.9	⊙	425			605						
70			250	1.9		430			610						
75			255	2.3	⊙	435			615						
80			260	2.4		440			620						
85			265	2.6	⊙	445			625						
90	.3		270	2.6	⊙	450			630						
95	.2		275	2.5	⊙	455			635						
100	.2		280	1.9	⊙	460			640						
105	.3		285	1.6	⊙	465			645						
110	.3		290	1.7	⊙	470			650						
115	.3		295	1.7		475			655						
120	.3		300	1.8	⊙	480			660						
125	.5		305	2.4	⊙	485			665						
130	1.0		310	1.9	✓	490			670						
135	1.1		315	2.1	⊙	495			675						
140	1.1		320	2.4		500			680						
145	1.0		325	1.7		505			685						
150	1.0		330	2.0		510			690						
155	1.1		335	1.6		515			695						
160	.7		340	1.0 340 T.D		520			700						
165	.6		345			525			705						
170	.4		350			530			710						
175	1.1		355			535			715						
180	1.1		360			540			720						

REMARKS: Drilled To 180', Driller said WATER AT 100', WATER STANDING IN HOLE NEXT A.M. AT 80'. Drilled To 360' Logged 340. INSTALLED 3-40' of 1" P.V.C. Vent Pipe Perforated To 60'.

*CPS 1734-W*

LEASE *JICARILLA* WELL NO. *152-W2A* CONTRACTOR \_\_\_\_\_ RIG NO. \_\_\_\_\_ REPORT NO. \_\_\_\_\_ DATE *10/22/85* 19\_\_

MORNING					DAYLIGHT					EVENING				
Driller <i>Tim C RIEFFEL</i>		Total Men In Crew <i>5</i>			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.	NO. DC	SIZE	LENG.	BIT NO.	NO. DC	SIZE	LENG.	BIT NO.	NO. DC	SIZE	LENG.
SERIAL NO.	STANDS			SERIAL NO.	STANDS			SERIAL NO.	STANDS		
SIZE	SINGLES			SIZE	SINGLES			SIZE	SINGLES		
TYPE	DOWN ON KELLY			TYPE	DOWN ON KELLY			TYPE	DOWN ON KELLY		
MAKE	TOTAL DEPTH			MAKE	TOTAL DEPTH			MAKE	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 - *0-80 SAND / SANDY BLUE SHALE*  
*80-100 WATER SAND (WATER)*  
*100-120 SAND STONE*  
*120-360 SANDY BLUE SHALE*  
*DRILLED 360 FT*  
*T.D. 340 FT*

SIGNED: Toolpusher *Tim C Rieffel* Company Supervisor \_\_\_\_\_