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LAND OFFICE	
OPERATOR	

Form C-105
Revised 11-1-82

NEW MEXICO OIL CONSERVATION COMMISSION WELL COMPLETION OR RECOMPLETION REPORT AND LOG

5a. Indicate Type of Lease	
State ☒	Fee ☐
5. State Oil & Gas Lease No. LG1016	

6. TYPE OF WELL	
OIL WELL ☐	GAS WELL ☐
DRY ☒	OTHER ☐
7. TYPE OF COMPLETION	
NEW WELL ☐	WORK OVER ☐
DEEPEN ☐	PLUG BACK ☐
DIFF. RESVR. ☐	OTHER ☐

7. Unit Agreement Name
8. Farm or Lease Name Union Texas State
9. Well No. 1
10. Field and Pool, or Wildcat W.C.

11. Name of Operator Western Oil Producers, Inc.	
12. Address of Operator PO Box 1498, Roswell, NM 88201	
13. Location of Well	

14. LETTER <u>A</u>	LOCATED <u>660</u>	FEET FROM THE <u>North</u>	LINE AND <u>990</u>	FEET FROM
---------------------	--------------------	----------------------------	---------------------	-----------

15. East	LINE OF SEC. <u>21</u>	TWP. <u>17S</u>	RGE. <u>36E</u>	NEVEN
----------	------------------------	-----------------	-----------------	-------

16. Date Spudded 1/31/83	17. Date T.D. Reached 2/11/83	18. Date Compl. (Ready to Prod.)	19. Elevations (D.F., RKB, RT, GR, etc.) 3854.72 GR	20. Elev. Casinghead Dry Hole
21. Total Depth 4410	22. Plug Back T.D.	23. Multiple Complet. How Many	24. Intervals Cased Dry X	25. Cable Tools

26. Producing Interval(s), of this completion - Top, Bottom, Name Dry Hole				27. Was Directional Survey Made Yes
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28. Type Electric and Other Logs Run Guard Forxo log, Compensated Denisity Dual Spaced Neutron log, Computer Analyzed log.		29. Was Well Cored
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CASING RECORD (Report all strings set in well)					
CASING SIZE	WEIGHT LB./ FT.	DEPTH SET	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED
8 5/8	23	374	12 1/4	225 sx class CW/2% CaCl	None

LINER RECORD					TUBING RECORD		
SIZE	TOP	BOTTOM	SACKS CEMENT	SCREEN	SIZE	DEPTH SET	PACKER SET

31. Perforation Record (Interval, size and number)	32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.	
	DEPTH INTERVAL	AMOUNT AND KIND MATERIAL USED

PRODUCTION							
33a. First Production		33b. Production Method (Flowing, gas lift, pumping - Size and type pump)				33c. Well Status (Prod. or Shut-in)	
34a. Date of Test	Hours Tested	Choke Size	Prod'n. Per Test Period	Oil - Bbl.	Gas - MCF	Water - Bbl.	Gas - Oil Ratio
34b. Flow Tubing Press.	Casing Pressure	Calc. Based 24-Hour Rate	Oil - Bbl.	Gas - MCF	Water - Bbl.	Oil Gravity - API (Corr.)	

35. Disposition of Gas (Sold, used for fuel, vented, etc.)	Test Witnessed By
--	-------------------

36. List of Attachments LOG #1, Deviation Report, Logs

37. I hereby certify that the information shown on both sides of this form is true and complete to the best of my knowledge and belief.		
SIGNED <u>Arnold Hewitt</u>	TITLE <u>Agent</u>	DATE <u>3-3-83</u>

INSTRUCTIONS

This form is to be filed with the appropriate Bureau of Mines of the Commission not later than 30 days after the completion of any newly-drilled or reopened well. It shall be accompanied by a log, a full electrical log and a summary of all special tests conducted, including drill stem tests. All depths reported shall be measured to the true vertical depth of the well. For multiple completion wells, the true vertical depth shall be reported for each completion. The form is to be filed in quintuplicate except on state land, where six copies are required. (Page 11)

INDICATE FORMATION TOPS IN CONFORMANCE WITH GEOGRAPHICAL SECTION OF STATE

Southeastern New Mexico

Northwestern New Mexico

T. Anhy <u>2033</u>	T. Canyon _____	T. Ojo Alamo _____	T. Penn. "B" _____
T. Salt <u>2135</u>	T. Strawn _____	T. Kirtland-Fruitland _____	T. Penn. "C" _____
T. Salt <u>3120</u>	T. Atoka _____	T. Pictured Cliffs _____	T. Penn. "D" _____
T. Yates <u>3310</u>	T. Miss _____	T. Cliff House _____	T. Leadville _____
T. Rivers _____	T. Devonian _____	T. Menefee _____	T. Madison _____
T. Queen <u>4302</u>	T. Silurian _____	T. Point Lookout _____	T. Elbert _____
T. Grayburg _____	T. Montoya _____	T. Mancos _____	T. McCracken _____
T. San Andres _____	T. Simpson _____	T. Gallup _____	T. Ignacio Qtzite _____
T. Glorieta _____	T. McKee _____	Base Greenhorn _____	T. Granite _____
T. Paddock _____	T. Elkhart _____	T. Dakota _____	T. _____
T. Blinberry _____	T. Gr. Wash _____	T. Morrison _____	T. _____
T. Tubb _____	T. Granite _____	T. Toddlite _____	T. _____
T. Drinkard _____	T. Delaware Sand _____	T. Entrada _____	T. _____
T. Abo _____	T. Bone Springs _____	T. Wingate _____	T. _____
T. Wolfcamp _____	T. _____	T. Chino _____	T. _____
T. Penn. _____	T. _____	T. Permian _____	T. _____
T. Cisco (Bough C) _____	T. _____	T. Penn. "A" _____	T. _____

OIL OR GAS SANDS OR ZONES

No. 1, from _____ to _____ No. 4, from _____ to _____
 No. 2, from _____ to _____ No. 5, from _____ to _____
 No. 3, from _____ to _____ No. 6, from _____ to _____

IMPORTANT WATER SANDS

Include data on rate of water inflow and elevation to which water rose in hole.

No. 1, from _____ to _____ feet.
 No. 2, from _____ to _____ feet.
 No. 3, from _____ to _____ feet.
 No. 4, from _____ to _____ feet.

FORMATION RECORD (Attach additional sheets if necessary)

From	To	Thickness in Feet	Formation	From	To	Thickness in Feet	Formation
0	2033	2033	Caliche & Red Beds				
2033	2135	102	Anhydrite				
2135	3120	985	Salt, Anhydrite & Red beds				
3120	3310	190	Anhydrite & red shale				
3310	3360	50	Sand & Anhydrite				
3360	3510	150	Anhydrite, Sand & Shale				
3510	4302	792	Dolomite, Anhydrite, & Shale				
4302	4342	40	Sand, Anhydrite, & Dolomite				
4342	4412	70	Anhydrite & Dolomite				



KENNETH D. REYNOLDS - ARTESIA
LESLIE K. EVERTSON - ROSWELL

DRILLING CO., INC. - OIL WELL DRILLING CONTRACTORS

P. O. Box 2055 ROSWELL, NEW MEXICO 88201
TELEPHONES: ARTESIA 505/746-6757
ROSWELL 505/623-5070

February 15, 1983

Western Oil Producers Inc.
P.O. Box 1498
Roswell, New Mexico

Ref: State #1 Union of Texas

Dear Sir:

The following is a Deviation Survey on the above well located
in Lea County, New Mexico.

374' - 1/4°
874' - 1/4°
1356' - 1/2°
1832' - 1/2°
2330' - 1/2°
2445' - 1/2°

2842' - 3/4°
3288' - 1°
3617' - 1°
3875' - 1°
4364' - 1°
4412' - 1°

Yours very truly,

WEK DRILLING CO., INC.

Arnold Newkirk

STATE OF NEW MEXICO)

COUNTY OF CHAVES)

The foregoing was acknowledged before me this 15th day
of February, 1983 by Arnold Newkirk.

My Commission Expires:

April 16, 1984

Notary Public

ROBERT W. BECKER

GEOLOGIST

SUITE 859
ROSWELL PETROLEUM BLDG.
200 WEST FIRST STREET
BUS. 622-7246 - HOME 623-0439
ROSWELL, NEW MEXICO 88201

February 14, 1983

Western Oil Producers
P. O. Box 2055
Roswell, New Mexico 88201

Re: Western Oil Producers
#1 Union Texas State
Sec. 21, T-17-S, R-36-E
Lea County, New Mexico

FINAL REPORT

The subject well reached a total depth of 4412' on February 10, 1983. A Welox Compensated Density-Neutron log was run from 3,000' to TD with the Gamma Ray carried on to the surface. In addition a Guard-Forxo log was run from 3,000' to TD. Samples were examined from 4100' to TD and 10' drilling time was plotted from 4,000' to TD. Two foot drilling time is plotted from 4,000' to TD.

Geological correlations are made with the Density-Neutron log, samples, and drilling time. Structural comparisons are made with the Hassie Hunt #1 State "22", $\frac{1}{2}$ mile east.

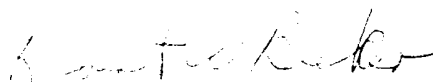
STRUCTURE

	Western		Hunt
Anhydrite	2033 (+1832)	31' high	2060 (+1801)
Top Salt	2135 (+1730)	19' "	2150 (+1711)
Base Salt	3120 (+ 745)	69' "	3185 (+ 676)
Yates	3310 (+ 555)	79' "	3385 (+ 476)
Queen	4302 (- 437)	112' "	4410 (- 549)

ZONES OF INTEREST

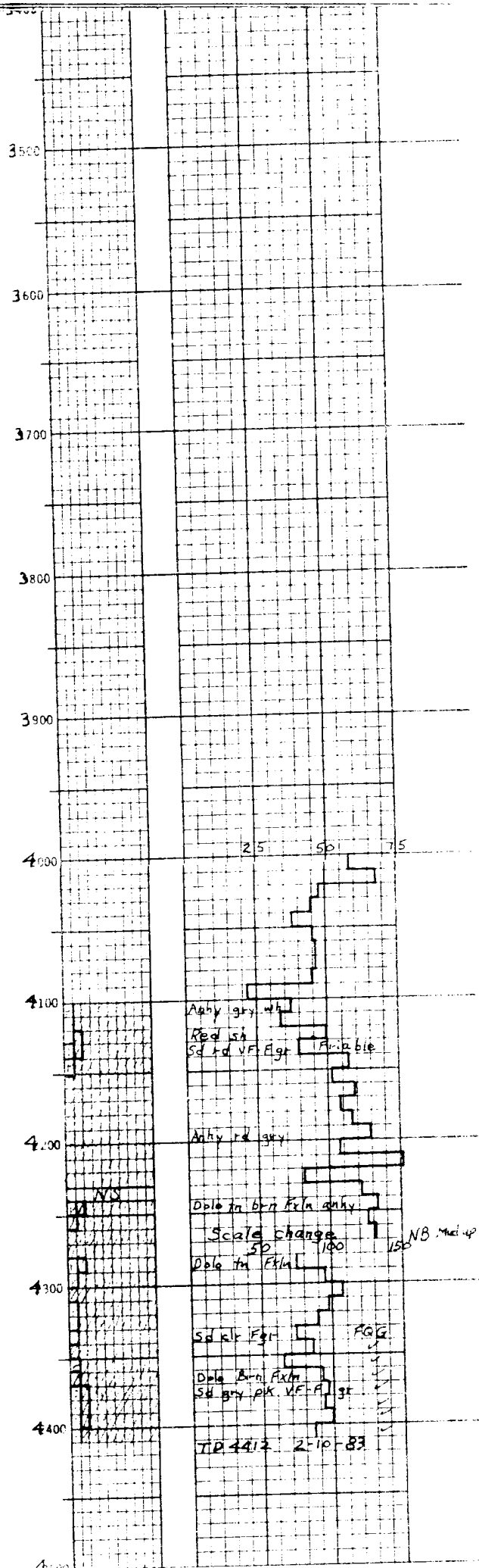
The subject well was drilled near the Penn Oil Company #1 State, a well drilled in 1929 and reported to have encountered approximately $\frac{1}{2}$ million cubic feet of gas in the Queen. The Queen sand, therefore, was the only prospect in this well. A very poor drilling break and very little sand in the samples indicated a poor Queen section and this was borne out by the Density-Neutron log. At best, 8% porosity with rather poor permeability was shown by log. A straddle packer DST gave up only 20' of mud in the drill pipe. Sampler recovery was 2,000 cc of mud plus .034 cu ft gas at 2 psi. ISIP was 48#/60", FP 32-16, FSIP 32#/120". The well has been plugged and abandoned.

Very truly yours,


Robert W. Becker

STATE MASS ELEV. 1355 ^{KB} GL
COUNTY Worcester
COMPANY Western Oil Producers
FARM Union Town State WELL NO. 1
LOCATION 600 FINE FINE
Sec 21 T-17-S R-3-E
TD 437 TOOLS WEK R12 11

FORM 795—IN STOCK AND FOR SALE BY KRAFFBILT—T.M.S.A. 74-11



Western Oil Producers
#1 Union Texas State

660' FNL & 990' FEL
Sec 21, T-17-S, R-36-E
Lea County, New Mexico
Elev 3865 KB

4000 Minutes per 2' 10 15 20

4100

4200

MAR 4 1983

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4300

4400

Sample Description Form										Operator Western Oil Producers		Well No. 1		Form Union Texas State		Serial No. Lea		Sta									
Location 660' FNL # 990' FEL Sec. 21, T-17-S, R-36-E										Kind of Samples Water		Described by RWB		Date 2-8-83		Elevation 3858 GL		Por									
Depth	Sandstones			Shales			Limestones			Dolomite			Chert		Aggr. & Soil		Porosity		Stain		Fluor.		Rock	Drill	Rel		
	%	Color	Texture & Acc. Mot.	bk	g	r	gr	Remarks	%	Color	Texture & Acc. Mot.	%	Color	Texture & Acc. Mot.	%	Col.	%	Col.	%	Gr.	%	Gr.				%	Gr.
4000-10																											
20																											
30																											
40																											
50																											
60																											
70																											
80																											
90																											
00																											
4100-10	Tr	rd	VF-F gr																								
20	Tr	rd	VF-F gr																								
30																											
40	10	rd	✓																								
50	10	rd	✓																								
60																											
70																											
80																											
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20																											
30																											
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TICKET NO. 54158500
17-FEB-83
ARTESIA

FORMATION TESTING SERVICE REPORT

UNION TEXAS STATE		LEASE NAME		WELL NO.	TEST NO.	4260.' - 4412.'	TESTED INTERVAL	WESTERN OIL FIELDERS, INCORPORATED		LEASE OWNER/COMPANY NAME	
LEGAL LOCATION		21 - 17S - 36E		FIELD AREA	WEST HOBBS, 10 MILES		COUNTY	LEA	STATE NEW MEXICO NM/NM		
SEC. - TWP. - RNG.											

D.S.T. Report Distribution



A Division of Halliburton Company

FORM 1509R3

DUNCAN, OKLAHOMA 73533

Western Oil Producers

Company Name - - Lease Owner

Requested Distribution of Completed D.S.T. Report Folder
for Ticket No. 541585

(This Order Must Be Filled Out and Signed By Company Representative)

Company Western Oil Producers Inc.
Orig. Chart

2
& Reports

ATT. Ken Reynolds

8400
STREET & NO. 2055

BUILDING
CITY Roswell, N.M.

STATE

ZIP CODE NUMBER 88201

Company Sun Exploration & Prod. Co.

2

Reports

ATT. Mr. Don Smith, Manager, Dallas

3401
STREET & NO. 3401

BUILDING
CITY Dallas, Tx.

STATE

ZIP CODE NUMBER 75231

Company Sun Exploration & Prod. Co.

2

Reports

ATT. Mr. Don Smith

One American Center
P.O. BOX
STREET & NO. Building 8, Suite 204

BUILDING
CITY Midland, Tx.

STATE

ZIP CODE NUMBER 79701

Company Union Texas P. Co.

2

Reports

ATT.

One Riverway, P.O. Box 2-20
P.O. BOX
STREET & NO. One Riverway, P.O. Box 2-20

BUILDING
CITY Houston, Tx.

STATE

ZIP CODE NUMBER 77252

Company Union Texas P. Co.

2

Reports

ATT.

5W Division / 500 Wilco Bldg.
P.O. BOX
STREET & NO. 5W Division / 500 Wilco Bldg.

BUILDING
CITY Midland, TX

STATE

ZIP CODE NUMBER 79701

Owner - Operator - or His Agent

SIGNED C. W. Bell, Agent

Send 1st, 2nd and 3rd Copy with Charts

(Use Additional Sheets When Necessary)

HALLIBURTON

SERVICES

A Division of Halliburton Company

FORM 1509R3

DUNCAN, OKLAHOMA 73533

Western Oil Producers, Inc.

Company Name - - Lease Owner

Requested Distribution of Completed D.S.T. Report Folder
for Ticket No. 541585

(This Order Must Be Filled Out and Signed By Company Representative)

Company Southland Royalties
Orig. Chart

ATT. Mr. Dennis E. Sledge

2

& Reports

P.O. BOX
STREET & NO.
BUILDING 2105 1/2 Drive

CITY Hickory, Tx.

STATE

ZIP CODE NUMBER

75701

Company



Reports

ATT.

P.O. BOX
STREET & NO.
BUILDING

CITY

STATE

ZIP CODE NUMBER

Company



Reports

ATT.

P.O. BOX
STREET & NO.
BUILDING

CITY

STATE

ZIP CODE NUMBER

Company



Reports

ATT.

P.O. BOX
STREET & NO.
BUILDING

CITY

STATE

ZIP CODE NUMBER

Company



Reports

ATT.

P.O. BOX
STREET & NO.
BUILDING

CITY

STATE

ZIP CODE NUMBER

Owner - Operator - or His Agent

SIGNED C. W. Bellah, Agent

Send 1st, 2nd and 3rd Copy with Charts
(Use Additional Sheets When Necessary)

541585-1114

123

RECORDING PRESSURE GAUGE CHARTTicket No. 541585 Date 2-11-23Company Western Oil ProducersLease Union Texas St. Well No. 111**FIELD READINGS**

Device No. <u>1114</u>		Hr. Clock No. <u>16710</u>	
B.T. Gauge Depth <u>4240</u> Ft.		Estimated Gauge Depth Temperature <u>105</u> °F	
		Thousands of inch	Pressure P.S.I.
Initial Hydro. Mud Pressure		<u>1.49</u>	<u>2369</u>
1 st	Initial Flow Pressure	<u>.02</u>	<u>32</u>
	Final Flow Pressure	<u>.01</u>	<u>16</u>
	First Closed In Pressure	<u>.03</u>	<u>48</u>
2 nd	Initial Flow Pressure	<u>.01</u>	<u>16</u>
	Final Flow Pressure	<u>.01</u>	<u>16</u>
	Second Closed In Pressure	<u>.02</u>	<u>32</u>
3 rd	Initial Flow Pressure		
	Final Flow Pressure		
	Third Closed In Pressure		
Final Hydro. Mud Pressure		<u>1.48</u>	<u>2353</u>

Tester T. FletcherForm 892-R5
Printed in U.S.A.

A Halliburton Company

Photographic negative for this
chart on file three years from date
at Halliburton Duncan, Oklahoma
73536.

81-2882

541585-1113

13

RECORDING PRESSURE GAUGE CHART

Ticket No. 541585 Date 2-11-85Company Western Oil ProducersLease Union Texas St. Well No. 1

FIELD READINGS

Device No. <u>1113</u>		Hr. Clock No. <u>24 11955</u>	
B.T. Gauge Depth <u>4408</u> Ft.		Estimated Gauge Depth Temperature <u>10</u> °F	
		Thousands of Inch	Pressure P.S.I.
Initial Hydro. Mud Pressure		<u>1.38</u>	<u>2468</u>
1st	Initial Flow Pressure	<u>.07</u>	<u>126</u>
	Final Flow Pressure	<u>.06</u>	<u>108</u>
	First Closed In Pressure	<u>.07</u>	<u>126</u>
2nd	Initial Flow Pressure	<u>.06</u>	<u>108</u>
	Final Flow Pressure	<u>.06</u>	<u>115</u>
	Second Closed In Pressure	<u>.07</u>	<u>126</u>
3rd	Initial Flow Pressure		
	Final Flow Pressure		
	Third Closed In Pressure		
Final Hydro. Mud Pressure		<u>1.38</u>	<u>2468</u>

Tester T. FletcherForm 892-R5
Printed in U.S.A.

A Halliburton Company

Photographic negative for this
chart on file three years from date
at Halliburton Duncan, Oklahoma
73536.

81-2862

RECEIVED

MAR 4 1983

O.C.D.
HOBBS OFFICE

GAUGE NO: 1114 DEPTH: 4240.0 BLANKED OFF: NO HOUR OF CLOCK: 24

ID	DESCRIPTION	PRESSURE	TIME
----	-------------	----------	------

RECEIVED

MAR 4 1983

**O.C.D.
HOBBS OFFICE**

GAUGE NO: 1113 DEPTH: 4408.0 BLANKED OFF: YES HOUR OF CLOCK: 24

ID	DESCRIPTION	PRESSURE		TIME		TYPE
		REPORTED	CALCULATED	REPORTED	CALCULATED	
A	INITIAL HYDROSTATIC	2468	2459.8			
B	INITIAL FIRST FLOW	126	190.3	30.0	30.0	F
C	FINAL FIRST FLOW	108	125.5			
C	INITIAL FIRST CLOSED-IN	108	125.5	60.0	60.0	C
D	FINAL FIRST CLOSED-IN	126	132.7			
E	INITIAL SECOND FLOW	108	129.1	60.0	60.0	F
F	FINAL SECOND FLOW	108	125.3			
F	INITIAL SECOND CLOSED-IN	108	125.3	120.0	120.0	C
G	FINAL SECOND CLOSED-IN	126	131.4			
H	FINAL HYDROSTATIC	2468	2463.2			

RECEIVED

MAR 4 1983

**O.C.D.
HOBBS OFFICE**

EQUIPMENT & HOLE DATA

FORMATION TESTED: QUEENS
NET PAY (ft): _____
GROSS TESTED FOOTAGE: 152.0
ALL DEPTHS MEASURED FROM: SEE REMARKS
CASING PERFS. (ft): _____
HOLE OR CASING SIZE (in): 7.875
ELEVATION (ft): 3855
TOTAL DEPTH (ft): 4412.0
PACKER DEPTH(S) (ft): 4254, 4260
FINAL SURFACE CHOKE (in): _____
BOTTOM HOLE CHOKE (in): 0.750
MUD WEIGHT (lb/gal): 10.40
MUD VISCOSITY (sec): 36
ESTIMATED HOLE TEMP. (°F): _____
ACTUAL HOLE TEMP. (°F): 105 @ 4408.0 ft

TICKET NUMBER: 54158500

DATE: 2-11-83 TEST NO: 1

TYPE DST: OPEN HOLE

HALLIBURTON CAMP:
ARTESIA

TESTER: T. FLETCHER

WITNESS: CARROLL BELLAH

DRILLING CONTRACTOR:
WEK # 1

FLUID PROPERTIES FOR RECOVERED MUD & WATER

SOURCE	RESISTIVITY	CHLORIDES
<u>TOP RECOVERY</u>	<u>0</u> °F	<u>0</u> ppm
<u>MIDDLE RECOVERY</u>	<u>0</u> °F	<u>0</u> ppm
<u>TOP OF TOOLS</u>	<u>0.060 @ 66</u> °F	<u>160000</u> ppm
<u>SAMPLER</u>	<u>0.060 @ 66</u> °F	<u>160000</u> ppm
<u>MUD PIT</u>	<u>0.070 @ 62</u> °F	<u>160000</u> ppm
	<u>0</u> °F	<u>0</u> ppm

SAMPLER DATA

Pstg AT SURFACE: 2
cu.ft. OF GAS: 0.03
cc OF OIL: 0
cc OF WATER: 0
cc OF MUD: 2000
TOTAL LIQUID cc: 2000

HYDROCARBON PROPERTIES

OIL GRAVITY (°API): 0 °F
GAS/OIL RATIO (cu.ft. per bbl): _____
GAS GRAVITY: _____

CUSHION DATA

TYPE	AMOUNT	WEIGHT
------	--------	--------

RECOVERED:

20 FEET OF DRILLING MUD

MEASURED FROM
TESTER VALVE

REMARKS:

SLID 5' TO BOTTOM.
DEPTHS MEASURED 10' FROM GROUND LEVEL.

		O.D.	I.D.	LENGTH	DEPTH	
1		DRILL PIPE.....	4.500	3.826	3780.9	
3		DRILL COLLARS.....	6.500	2.500	320.0	
50		IMPACT REVERSING SUB.....	6.750	3.000	1.0	4103.0
3		DRILL COLLARS.....	6.500	2.500	120.0	
5		CROSSOVER.....	5.750	2.500	1.0	
13		DUAL CIP SAMPLER.....	5.000	0.870	6.8	
60		HYDROSPRING TESTER.....	5.000	0.750	5.0	4236.0
80		AP RUNNING CASE.....	5.000	3.060	4.1	4240.0
15		JAR.....	5.030	1.750	5.0	
16		VR SAFETY JOINT.....	5.000	1.000	2.8	
70		OPEN HOLE PACKER.....	6.750	1.530	5.8	4254.0
70		OPEN HOLE PACKER.....	6.750	1.530	5.8	4260.0
19		ANCHOR PIPE SAFETY JOINT.....	5.750	1.500	4.3	
5		CROSSOVER.....	5.750	2.500	1.0	
3		DRILL COLLARS.....	6.500	2.500	121.8	
5		CROSSOVER.....	5.750	2.500	1.0	
20		FLUSH JOINT ANCHOR.....	5.750	2.870	20.0	
81		BLANKED-OFF RUNNING CASE.....	5.750		4.0	4408.0
TOTAL DEPTH						4412.0

EQUIPMENT DATA