

TRILOBITE TESTING COMPANY

P.O. Box 362 • Hays, Kansas 67601

35-32-38W

Computer Inventoried

RELEASED

JUN 10

Drill-Stem Test Data

JUL 01 1992

CONFIDENTIAL

Well Name WRD #2 UNIT 5 Test No. 1 Date 2/17/91
 Company MOBIL OIL CORPORATION
 Address 2319 N KANSAS LIBERAL KS 67901 FROM CONFIDENTIAL
 Co. Rep./Geo. MR CLIFF ROBERTS cont. UNIT DRLG CO #19 Elevation 3171 GL
 Location: Sec. 35 Twp. 32S Rge. 38W co. STEVENS State KANSAS

Interval Tested 6018-6105 Drill Pipe Size 4.5 XH
 Anchor Length 87 Wt. Pipe I.D. - 2.7 Ft. Run _____
 Top Packer Depth 6013 Drill Collar - 2.25 Ft. Run 662
 Bottom Packer Depth 6018
 Total Depth 6105

Mud Wt. 9.1 lb / gal. Viscosity 56 Filtrate 9.2

Tool Open @ 7:40 AM Initial Blow FAIR BLOW-BOTTOM OF BUCKET IN 11 MIN

Final Blow FAIR 9" IN WATER IN 25 MINUTES-HAD A SLIGHT DECREASE IN 45 MINUTES

Recovery - Total Feet 85 Flush Tool? N

Rec. 750 Feet of GAS IN PIPE

Rec. 85 Feet of GAS CUT MUD

Rec. _____ Feet of _____

Rec. _____ Feet of _____

Rec. 142 Feet of _____
 BHT _____ °F Gravity _____ °API @ _____ °F Corrected Gravity _____ °API

RW _____ @ _____ °F Chlorides _____ ppm Recovery Chlorides _____ ppm System

(A) Initial Hydrostatic Mud 2940.5 PSI AK1 Recorder No. 13850 Range 4425

(B) First Initial Flow Pressure 61.2 PSI @ (depth) 6100 w/Clock No. 31154

(C) First Final Flow Pressure 61.2 PSI AK1 Recorder No. 31851 Range 4325

(D) Initial Shut-In Pressure 480.3 PSI @ (depth) 6105 w/Clock No. 27585

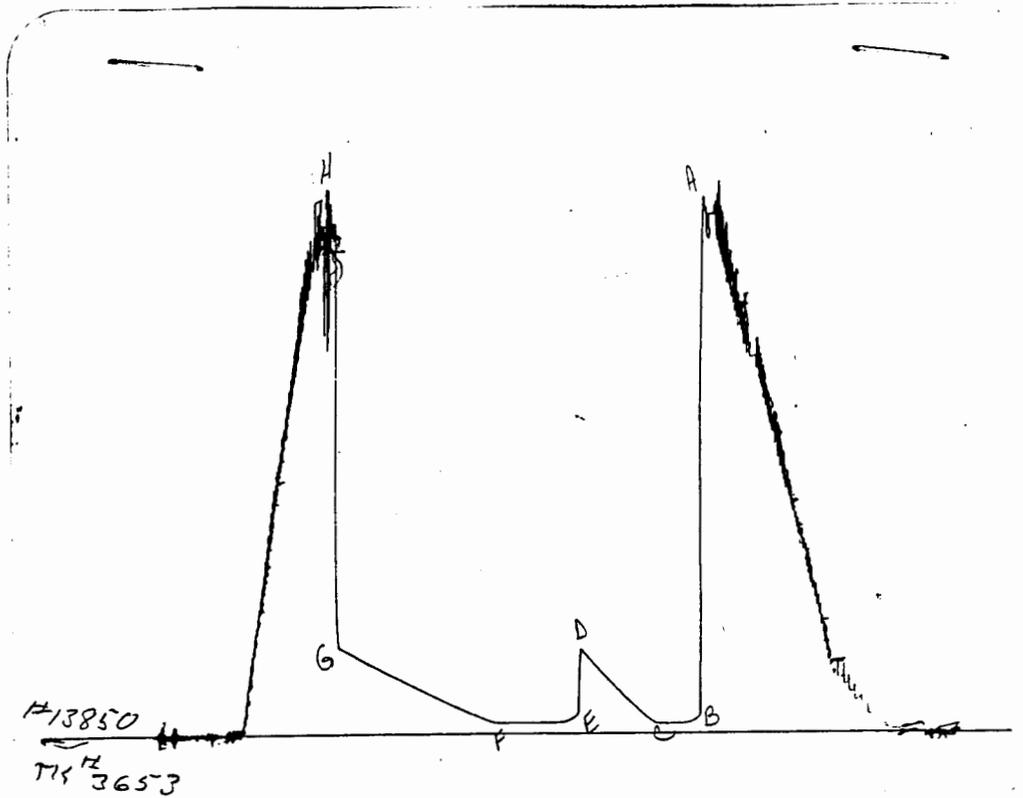
(E) Second Initial Flow Pressure 61.2 PSI AK1 Recorder No. _____ Range _____

(F) Second Final Flow Pressure 61.2 PSI @ (depth) _____ w/Clock No. _____

(G) Final Shut-In Pressure 502.3 PSI Initial Opening 30 Final Flow 60

(H) Final Hydrostatic Mud 2930.1 PSI Initial Shut-In 60 Final Shut-In 120

Our Representative MR HARRY SCHMIDT TOTAL PRICE \$ 1200



POINT This is an actual photograph of recorder chart PRESSURE

POINT	FIELD READING	OFFICE READING
(A) INITIAL HYDROSTATIC MUD	2931	2940.5
(B) FIRST INITIAL FLOW PRESSURE	60	61.2
(C) FIRST FINAL FLOW PRESSURE	60	61.2
(D) INITIAL CLOSED-IN PRESSURE	477	480.3
(E) SECOND INITIAL FLOW PRESSURE	60	61.2
(F) SECOND FINAL FLOW PRESSURE	60	61.2
(G) FINAL CLOSED-IN PRESSURE	500	502.3
(H) FINAL HYDROSTATIC MUD	2931	2930.1

TRILOBITE TESTING COMPANY

P.O. Box 362 - Hays, Kansas 67601

FLUID SAMPLER DATA

Ticket No. 3653 Date 2/17/91
Company Name MOBIL OIL CORPORATION
Lease WRD #2 UNIT 5 Test No. 1
County STEVENS Sec. 35 Twp. 32S Rng. 38W

SAMPLER RECOVERY

Gas TRACE ML Chlorides _____ ppm.
Oil _____ ML Resistivity 0.65 ohms @ 85 F
Mud 2500 ML Viscosity 56
Water _____ ML Mud Weight 9.1
Other _____ ML Filtrate 9.2
Pressure 400 PSI Other _____
Total _____ ML

PIT MUD ANALYSIS

SAMPLER ANALYSIS

Resistivity 0.65 ohms @ 85 F
Chlorides 9000 ppm.
Gravity _____ corrected @ 60 F

PIPE RECOVERY

TOP
Resistivity 0.65 ohms @ 85 F
Chlorides 9000 ppm.
MIDDLE
Resistivity _____ ohms @ _____ F
Chlorides _____ ppm.
BOTTOM
Resistivity _____ ohms @ _____ F
Chlorides _____ ppm.

TRAX 316-626-2552

TRILOBITE TESTING COMPANY

P.O. Box 362 • Hays, Kansas 67601

CO/JIM RICHEY

Test Ticket

N^o 3653

Well Name & No. WRD #2 UNIT 5 Test No. ONE Date 2-17-91
 Company MOBIL OIL CORP. Zone Tested MORROW
 Address 2319 N. KANSAS LIBERAL KS. 67901 Elevation 3171 G.L.
 Co. Rep./Geo. CLIFF ROBERTS Cont. UNIT DRG. CO #19 Est. Ft. of Pay _____
 Location: Sec. 35 Twp. 32 S Rge. 38 W Co. STEVENS State ISS.
 No. of Copies 5 Distribution Sheet _____ Yes _____ No Turnkey _____ Yes _____ No Evaluation _____

Interval Tested 6018 TO 6105 Drill Pipe Size 4 1/2" X 17.
 Anchor Length 87' Top Choke — 1" _____ Bottom Choke — 3/4" _____
 Top Packer Depth 6013 Hole Size — 7 7/8" _____ Rubber Size — 6 3/4" _____
 Bottom Packer Depth 6018 Wt. Pipe I.D. — 2.7 Ft. Run _____
 Total Depth 6105 Drill Collar — 2.25 Ft. Run 662'
 Mud Wt. 9.1 lb/gal. Viscosity 56 Filtrate 9.2
 Tool Open @ 7:40 A Initial Blow FAIR BOT. OF BUCKET IN 11 MIN.

Final Blow FAIR 9" IN WATER IN 25 MIN. HAD A SLIGHT DECREASE IN 45 MIN.

Recovery — Total Feet	Feet of Gas In Pipe	Flush Tool?
<u>85'</u>	<u>750'</u>	<u>NO</u>
Rec. <u>85'</u> Feet Of <u>GAS CUT MUD</u>	%gas _____ %oil _____ %water _____ %mud _____	
Rec. _____ Feet Of _____	%gas _____ %oil _____ %water _____ %mud _____	
Rec. _____ Feet Of _____	%gas _____ %oil _____ %water _____ %mud _____	
Rec. _____ Feet Of _____	%gas _____ %oil _____ %water _____ %mud _____	
Rec. _____ Feet Of _____	%gas _____ %oil _____ %water _____ %mud _____	

BHT 142 °F Gravity _____ °API @ _____ °F Corrected Gravity _____ °API

RW _____ @ _____ °F Chlorides _____ ppm Recovery Chlorides 900 ppm System

- (A) Initial Hydrostatic Mud 2931 PSI Ak1 Recorder No. 13850 Range 4425
- (B) First Initial Flow Pressure 60 PSI @ (depth) 6100 w/Clock No. 31154
- (C) First Final Flow Pressure 60 PSI Ak1 Recorder No. 31851 Range 4325
- (D) Initial Shut-In Pressure 477 PSI @ (depth) 6105 w/Clock No. 27585
- (E) Second Initial Flow Pressure 60 PSI Ak1 Recorder No. _____ Range _____
- (F) Second Final Flow Pressure 60 PSI @ (depth) _____ w/Clock No. _____
- (G) Final Shut-In Pressure 500 PSI Initial Opening 30 Test 750⁰⁰
- (H) Final Hydrostatic Mud 2931 PSI Initial Shut-In 60 Jars 200⁰⁰

TRILOBITE TESTING COMPANY SHALL NOT BE LIABLE FOR DAMAGE OF ANY KIND OF THE PROPERTY OR PERSONNEL OF THE ONE FOR WHOM A TEST IS MADE, OR FOR ANY LOSS SUFFERED OR SUBSTAINED, DIRECTLY OR INDIRECTLY, THROUGH THE USE OF ITS EQUIPMENT, OR ITS STATEMENTS OR OPINION CONCERNING THE RESULTS OF ANY TEST. TOOLS LOST OR DAMAGED IN THE HOLE SHALL BE PAID FOR AT COST BY THE PARTY FOR WHOM THE TEST IS MADE.

Final Flow 60 Safety Joint 50⁰⁰
 Final Shut-In 120 Straddle _____
 Circ. Sub _____
 Sampler 200⁰⁰

Approved By allen Radtke

Our Representative [Signature]

Extra Packer _____

Other _____

TOTAL PRICE \$ 1200⁰⁰

JRAX 316-226-2552

TRILOBITE TESTING COMPANY

P.O. Box 362 • Hays, Kansas 67601

CO/JIM RICHEY

Test Ticket

N^o 3653

Well Name & No. <u>WRD #2 UNIT 5</u>	Test No. <u>ONE</u>	Date <u>2-17-91</u>
Company <u>MOBIL OIL CORP.</u>	Zone Tested <u>MORROW</u>	
Address <u>2319 N. KANSAS LIBERAL KS. 67901</u>	Elevation <u>3171 G.L.</u>	
Co. Rep./Geo. <u>CLIFF ROBERTS</u>	Cont. <u>UNIT DRG. CO #19</u>	Est. Ft. of Pay _____
Location: Sec. <u>35</u>	Twp. <u>32 S</u>	Rge. <u>38 W</u> Co. <u>STEVENS</u> State <u>KS.</u>
No. of Copies <u>5</u>	Distribution Sheet _____	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Turnkey _____
		Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Evaluation _____

Interval Tested <u>6018 TO 6105</u>	Drill Pipe Size <u>4 1/2" x 17.</u>
Anchor Length <u>87'</u>	Top Choke — 1" _____ Bottom Choke — 3/4" _____
Top Packer Depth <u>6013</u>	Hole Size — 7 7/8" _____ Rubber Size — 6 3/4" _____
Bottom Packer Depth <u>6018</u>	Wt. Pipe I.D. — 2.7 Ft. Run _____
Total Depth <u>6105</u>	Drill Collar — 2.25 Ft. Run <u>662'</u>
Mud Wt. <u>9.1</u> lb/gal.	Viscosity <u>56</u> Filtrate <u>9.2</u>
Tool Open @ <u>7:40 A</u>	Initial Blow <u>FAIR BOT. OF BUCKET IN 11 MIN.</u>

Final Blow FAIR 9" IN WATER IN 25 MIN. HAD A SLIGHT DECREASE IN 45 MIN.

Recovery — Total Feet <u>85'</u>	Feet of Gas In Pipe <u>750'</u>	Flush Tool? <u>NO</u>
Rec. <u>85'</u> Feet Of <u>GAS CUT MUD</u>	%gas _____ %oil _____ %water _____ %mud _____	
Rec. _____ Feet Of _____	%gas _____ %oil _____ %water _____ %mud _____	
Rec. _____ Feet Of _____	%gas _____ %oil _____ %water _____ %mud _____	
Rec. _____ Feet Of _____	%gas _____ %oil _____ %water _____ %mud _____	
Rec. _____ Feet Of _____	%gas _____ %oil _____ %water _____ %mud _____	

BHT 142 °F Gravity _____ °API @ _____ °F Corrected Gravity _____ °API

RW _____ @ _____ °F Chlorides _____ ppm Recovery Chlorides 900 ppm System

(A) Initial Hydrostatic Mud <u>2931</u>	PSI	Ak1 Recorder No. <u>13850</u>	Range <u>4425</u>
(B) First Initial Flow Pressure <u>60</u>	PSI	@ (depth) <u>6100</u>	w/Clock No. <u>31154</u>
(C) First Final Flow Pressure <u>60</u>	PSI	Ak1 Recorder No. <u>31851</u>	Range <u>4325</u>
(D) Initial Shut-In Pressure <u>477</u>	PSI	@ (depth) <u>6105</u>	w/Clock No. <u>27585</u>
(E) Second Initial Flow Pressure <u>60</u>	PSI	Ak1 Recorder No. _____	Range _____
(F) Second Final Flow Pressure <u>60</u>	PSI	@ (depth) _____	w/Clock No. _____
(G) Final Shut-In Pressure <u>500</u>	PSI	Initial Opening <u>30</u>	Test <u>750⁰⁰</u>
(H) Final Hydrostatic Mud <u>2931</u>	PSI	Initial Shut-In <u>60</u>	Jars <u>200⁰⁰</u>

TRILOBITE TESTING COMPANY SHALL NOT BE LIABLE FOR DAMAGE OF ANY KIND OF THE PROPERTY OR PERSONNEL OF THE ONE FOR WHOM A TEST IS MADE, OR FOR ANY LOSS SUFFERED OR SUBSTAINED, DIRECTLY OR INDIRECTLY, THROUGH THE USE OF ITS EQUIPMENT, OR ITS STATEMENTS OR OPINION CONCERNING THE RESULTS OF ANY TEST. TOOLS LOST OR DAMAGED IN THE HOLE SHALL BE PAID FOR AT COST BY THE PARTY FOR WHOM THE TEST IS MADE.

Final Flow 60 Safety Joint 50⁰⁰

Final Shut-In 120 Straddle _____

Circ. Sub _____

Sampler 200⁰⁰

Approved By allen Radtke

Our Representative [Signature]

Extra Packer _____

Other _____

TOTAL PRICE \$ 1200⁰⁰

TRILOBITE TESTING COMPANY

P.O. Box 362 - Hays, Kansas 67601

FLUID SAMPLER DATA

Ticket No. 3653 Date 2/17/91
Company Name MOBIL OIL CORPORATION
Lease WRD #2 UNIT 5 Test No. 1
County STEVENS Sec. 35 Twp. 32S Rng. 38W

SAMPLER RECOVERY

Gas TRACE ML Chlorides _____ ppm.
Oil _____ ML Resistivity 0.65 ohms @ 85 F
Mud 2500 ML Viscosity 56
Water _____ ML Mud Weight 9.1
Other _____ ML Filtrate 9.2
Pressure 400 PSI Other _____
Total _____ ML

PIT MUD ANALYSIS

SAMPLER ANALYSIS

Resistivity 0.65 ohms @ 85 F
Chlorides 9000 ppm.
Gravity _____ corrected @ 60 F

PIPE RECOVERY

TOP
Resistivity 0.65 ohms @ 85 F
Chlorides 9000 ppm.

MIDDLE

Resistivity _____ ohms @ _____ F
Chlorides _____ ppm.

BOTTOM

Resistivity _____ ohms @ _____ F
Chlorides _____ ppm.

MSD991

*** PRISM ***
Primary Cementing Report

Page 1

35-32-38W

KCC

Lease: W R D #2 UNIT
Field: OUTPOST
API #: 15-189-21476-00

Well #: 5
State: KS
Ppty ID: 1335200

Well ID: 0025245
County: STEVENS
OCSG #:

JUN 10

CONFIDENTIAL

=====
Cementing Job Information
=====

Date: 02/11/1991 Starting Time: 00:00 Ending Time: 01:30

Cementing Company: HALLIBURTON District: LIBERAL, KS

Cementing Company Rating (1 to 10, 10 = Best): 9

Was top plug dropped? N
Was bottom plug dropped? Y
Did plug bump? Y
Was there full circulation while pumping? Y
Amount of cement returns to surface: 2 Bbls
Did floats hold? Y
Flow regime: LAMINAR

Was the pipe reciprocated before cementing? Y
Was the pipe reciprocated during cementing? Y
Was the pipe rotated before cementing? N
Was the pipe rotated during cementing? N

If pipe was rotated, Type of rotation equipment:
Torque on rotated pipe: ft/lbs
Rotation Speed: RPM

Job Remarks:

=====
Stage Information
=====

Stage No.: 1

Casing O.D.: 8.625 In.
Hole Size: 12.250 In.
Estimated Top of Cement for this stage: 0 Ft.
Estimated Bottom of Cement for this stage: 1770 Ft.
Time to mix and pump this stage: 47 (Hr:Min)
Average Pump Rate: 5.5 BPM
Maximum Pump Pressure: 500 PSIG
Foam Cement? N

Lead Composition: "C" LITE 65:35:6 (65% CMT) + 3% CC
Tail Composition: "C" + 2% CC

	Lead	Tail
	----	----
No. of Sacks	520	310
Slurry Yields (CuFt/Sk)	1.99	1.33
Slurry Density (Ppg)	12.4	14.8
Slurry Volume (Bbl)	184.0	73.0
Mix Water Amount (Gal/SK)	10.97	6.32
Mix Water Type	FW	FW
Thickening Time (Hr:Min)	4:30	2:15
12-Hr Compressive Strength (PSI)		1400
24-Hr Compressive Strength (PSI)	200	
Compressive Strength Test Temperature (F)	90	90
Fluid Loss (cc)	800	800
Free Water (cc)	1.0	0.5

=====
Flush Information
=====

Density (PPG)	Volume (Bbls)	Description
-----	-----	-----

Preflush		
Flush		
Postflush		
Displacement	8.3	110.0 FRESH WATER

Displacement Rate: 4.0 BPM

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JUL 0 1 1992

FROM CONFIDENTIAL

RECEIVED
STATE COMMISSION COMMISSION

JUN 24 1991

CONSERVATION DIVISION
Wichita, Kansas

Lease: W R D #2 UNIT Well #: 5 Well ID: 0025245

CONFIDENTIAL KNO

JUN 1 0

CONFIDENTIAL

Stage Remarks:

=====

Report Generated on: 06/19/91 @ 11:13 End of Report.....

RECEIVED
STATE CORPORATION COMMISSION

JUN 24 1991

REGULATION DIVISION
Wichita, Kansas

35-32-38W

MSD991 *** PRISM *** Page 1
Primary Cementing Report

Lease: W R D #2 UNIT Well #: 5 Well ID: 0025245
Field: OUTPOST State: KS County: STEVENS
API #: 15-189-21476-00 Ppty ID: 1335200 OCSG #:

KCC

JUN 10

CONFIDENTIAL

=====
Cementing Job Information
=====

Date: 02/19/1991 Starting Time: 17:30 Ending Time: 10:00

Cementing Company: HALIBURTON District: LIBERAL

Cementing Company Rating (1 to 10, 10 = Best): 9

Was top plug dropped? Y
Was bottom plug dropped? Y
Did plug bump? Y
Was there full circulation while pumping? Y
Amount of cement returns to surface: 0 Bbls
Did floats hold? Y
Flow regime: Laminar

Was the pipe reciprocated before cementing? Y
Was the pipe reciprocated during cementing? N
Was the pipe rotated before cementing? N
Was the pipe rotated during cementing? N
If pipe was rotated, Type of rotation equipment:
Torque on rotated pipe: ft/lbs
Rotation Speed: RPM

Job Remarks:

=====
Stage Information
=====

Stage No.: 1

Casing O.D.: 5.500 In.
Hole Size: 7.875 In.
Estimated Top of Cement for this stage: 5180 Ft.
Estimated Bottom of Cement for this stage: 6193 Ft.
Time to mix and pump this stage: (Hr:Min)
Average Pump Rate: 5.0 BPM
Maximum Pump Pressure: 500 PSIG
Foam Cement?

Lead Composition: 505/POZ CLASS H + 2% CACL
Tail Composition: 50/50 POZ CLASS H

	Lead ----	Tail ----
No. of Sacks	670	510
Slurry Yields (CuFt/Sk)	1.26	1.26
Slurry Density (Ppg)	14.2	14.2
Slurry Volume (Bbl)	150.0	114.0
Mix Water Amount (Gal/SK)	5.75	5.75
Mix Water Type	FRESH	FRESH
Thickening Time (Hr:Min)		
12-Hr Compressive Strength (PSI)		
24-Hr Compressive Strength (PSI)		
Compressive Strength Test Temperature (F)		
Fluid Loss (cc)		
Free Water (cc)		

=====
Flush Information
=====

Density (PPG)	Volume (Bbls)	Description -----
------------------	------------------	----------------------

Preflush
Flush
Postflush
Displacement

Displacement Rate: 6.5 BPM

RECEIVED
STATE CORPORATION COMMISSION

JUN 24 1991

CONSERVATION DIVISION
Wichita, Kansas

Lease: W R D #2 UNIT Well #: 5 Well ID: 0025245

REC'D
JUN 10
CONFIDENTIAL

Stage Remarks:

=====
Stage No.: 2

Casing O.D.: 5.500 In.
Hole Size: 7.875 In.
Estimated Top of Cement for this stage: 1585 Ft.
Estimated Bottom of Cement for this stage: 3119 Ft.
Time to mix and pump this stage: (Hr:Min)
Average Pump Rate: 7.0 BPM
Maximum Pump Pressure: 350 PSIG
Foam Cement?

Lead Composition:
Tail Composition:

Lead Tail

No. of Sacks
Slurry Yields (CuFt/Sk)
Slurry Density (Ppg)
Slurry Volume (Bbl)
Mix Water Amount (Gal/SK)
Mix Water Type
Thickening Time (Hr:Min)
12-Hr Compressive Strength (PSI)
24-Hr Compressive Strength (PSI)
Compressive Strength Test Temperature (F)
Fluid Loss (cc)
Free Water (cc)

=====
Flush Information

Density Volume Description
(PPG) (Bbls)

Preflush
Flush
Postflush
Displacement

Displacement Rate: 6.0 BPM

Stage Remarks:

=====
Report Generated on: 06/19/91 @ 11:13 End of Report.....

RECEIVED
STATE COMMISSION COMMISSION

JUN 24 1991

COMMISSIONER OF REVENUE
TAMPA, FLORIDA

35-3238W

Lease: W R D #2 UNIT Well #: 5 Well ID: 0025245
Field: OUTPOST State: KS County: STEVENS
API #: 15-189-21476-00 Ppty ID: 1335200 OCS #:
Contractor: UNIT Rig: 19 Water Depth: '
AFE Number: OCBM AFE Amount: 233 M Mobil GWI: 100.000%

KOO
JUN 10
CONFIDENTIAL

Date Started: 02/11/1991 Time Started: 06:00
Date Ended: 02/12/1991 Time Ended: 06:00 Job Type: Drilling
Drlg Days: 2 Est Drlg Days: 11 Progress: 780'
Depth: 2,550' Planned Depth: 6,500' Hole Size: 7.875"
TV Depth: 2,550' Hole Angle: 1.25ø Mud Weight: 8.8 ppg
Last Csg: 8.625" Set At: 1,768' Shoe Test: 11.5 ppg
Daily Cost: 14 M Cumm Cost: 70 M Pln Drlg Cst: 233 M
Supt: DH SMITH Engineer: KA CARWILE

==== Daily Summary =====

NU BOP & TESTED: BLIND, CHOKER MANIFOLD & PIPE RAMS TO 1500 psi; ANNULAR TO 1000 psi. FORMATION INTEGRITY TEST TO 300 psi - 11.5 EMW. DRILLED 7-7/8" HOLE F/ 1770-2550.

Validated: (N)

==== Present Operation =====

DRLG AHEAD @ 2550'

==== Next Operation =====

CONTINUE TO DRILL

==== Operation Narrative =====

CONT NU BOP. TEST BLIND RAMS - 1500 psi; CHOKER MANIFOLD - 1500 psi.
TIH W/ 7-7/8" BIT. TEST PIPE RAMS - 1500 psi; ANNULAR - 1000 psi.
DRLG PLUG & CEMENT
DRLG 1770-1785
FORMATION INTEGRITY TEST - 300psi = 11.5 EMW.
DRLG 1785-1815 30' 24 fph
RIG SERVICE
DRLG 1815-2240 425' 54.8 fph
RIG SERVICE
DRLG 2240-2550 310' 45.9 fph

==== Personnel =====

Name Title

Report Generated On: 06/19/91 @ 10:35 End of Report.....

RECEIVED
STATE CORPORATION COMMISSION

JUN 24 1991

CONSERVATION DIVISION
Wichita, Kansas

Lease: W R D #2 UNIT Well #: 5 Well ID: 0025245
Field: OUTPOST State: KS County: STEVENS
API #: 15-189-21476-00 Ppty ID: 1335200 OCS #:
Contractor: UNIT Rig: 19 Water Depth: '
AFE Number: OCBM AFE Amount: 233 M Mobil GWI: 100.000%

KCC
JUN 10
CONFIDENTIAL

Date Started: 02/10/1991 Time Started: 07:30
Date Ended: 02/11/1991 Time Ended: 06:00 Job Type: Drilling
Drlg Days: 1 Est Drlg Days: 11 Progress: 1,700'
Depth: 1,770' Planned Depth: 6,500' Hole Size: 12.250"
TV Depth: 1,770' Hole Angle: 1.25ø Mud Weight: 8.8 ppg
Last Csg: 8.625" Set At: 1,768' Shoe Test: ppg
Daily Cost: 56 M Cumm Cost: 56 M Pln Drlg Cst: 233 M
Supt: DH SMITH Engineer: KA CARWILE

RELEASED

JUN 11 1992

FROM CONFIDENTIAL

==== Daily Summary =====

SPUDED IN @ 0730 2/10/91. DRILLED TO 1770' IN THE STONE CORRAL ANHYDRITE. RAN 43 JTS 8-5/8", 24#,K55,STC CSG TO 1768'. WELD ON INGRAM-CACTUS C-22 CSG HEAD & NU BOP.

Validated: (N)

==== Present Operation =====

NU BOP

==== Next Operation =====

FINISH NU BOP & TEST. DRILL OUT CEMENT. CONTINUE TO DRILL.

==== Operation Narrative =====

SPUD IN @ 0730 2/10/91. KCC WAS NOTIFIED OF INTENTION TO SPUD 2/5/91 (RICHARD LACEY). DRLG 70-1770. 1700' 135 FPH.
CIRC MUD PRIOR TO RUNNING 8-5/8" CSG.
DROP SURE SHOT SURVEY: 1-1/4 @ 1770'.
TOH TO RUN CSG.
RU TRI-STATE & RUN 43 JTS 8-5/8",24#,K55,STC CSG.
RU HLBTN & CIRC PRIOR TO CEMENTING.
CEMENT W/ 520 SX "C" LITE 65:35:6 + 3%CC & 310 SX "C" + 2%CC. PLUG DOWN @ 0120 2/11/91.
ND CONDUCTOR; JET & CLEAN CELLAR; WELD ON 11"-3M#X8-5/8" INGRAM-CACTUS C-22 CSG HEAD.

==== Personnel =====

Name Title

Report Generated On: 06/19/91 @ 10:35 End of Report.....

RECEIVED
STATE CORPORATION COMMISSION

JUN 24 1991

CONSERVATION DIVISION
Wichita, Kansas

25-32-38W

Lease: W R D #2 UNIT Well #: 5 Well ID: 0025245
Field: OUTPOST State: KS County: STEVENS
API #: 15-189-21476-00 Ppty ID: 1335200 OCS #:
Contractor: UNIT Rig: 19 Water Depth: '
AFE Number: OCBM AFE Amount: 233 M Mobil GWI: 100.000%

1000
JUN 10
CONFIDENTIAL

Date Started: 02/12/1991 Time Started: 06:00
Date Ended: 02/13/1991 Time Ended: 06:00 Job Type: Drilling
Drlg Days: 3 Est Drlg Days: 11 Progress: 858'
Depth: 3,408' Planned Depth: 6,500' Hole Size: 7.875"
TV Depth: 3,408' Hole Angle: 1.25ø Mud Weight: 9.0 ppg
Last Csg: 8.625" Set At: 1,768' Shoe Test: 11.5 ppg
Daily Cost: 13 M Cumm Cost: 83 M Pln Drlg Cst: 233 M
Supt: DH SMITH Engineer: KA CARWILE

=====
Daily Summary
=====

DRILLED AHEAD FROM 2550' TO 3408', LOST 170 BBLS FLUID @ 2750, RAN LCM SWEEPS,

Validated: (N)

=====
Present Operation
=====

DRILLING

=====
Next Operation
=====

DRILLING

=====
Operation Narrative
=====

DRLG AHEAD FROM 2240' TO 2600'
SERVC. RIG
DRILL FROM 2600' TO 2915', LOST 170 BBLS. FLUID @ 2750, LIGHTLY MUDDED UP
SERVC. RIG
DRILL AHEAD FROM 2915' TO 3185'
SERVC. RIG
DRILL AHEAD FROM 3185' TO 3408', NO PROBLEMS

=====
Personnel
=====

Name Title

=====
Report Generated On: 06/19/91 @ 10:35 End of Report.....

RECEIVED
STATE CORPORATION COMMISSION

JUN 24 1991

CONSTRUCTION DIVISION
Wichita, Kansas

Lease: W R D #2 UNIT Well #: 5 Well ID: 0025245
Field: OUTPOST State: KS County: STEVENS
API #: 15-189-21476-00 Ppty ID: 1335200 OCS #:
Contractor: UNIT Rig: 19 Water Depth: '
AFE Number: OCBM AFE Amount: 233 M Mobil GWI: 100.000%

Date Started: 02/13/1991 Time Started: 06:00
Date Ended: 02/14/1991 Time Ended: 06:00 Job Type: Drilling
Drlg Days: 4 Est Drlg Days: 11 Progress: 877'
Depth: 4,285' Planned Depth: 6,500' Hole Size: 7.875"
TV Depth: 4,285' Hole Angle: 1.25ø Mud Weight: 9.0 ppg
Last Csg: 8.625" Set At: 1,768' Shoe Test: 11.5 ppg
Daily Cost: 13 M Cumm Cost: 109 M Pln Drlg Cst: 233 M
Supt: DH SMITH Engineer: KA CARWILE

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==== Daily Summary =====

DRILLED AHEAD FROM 3,408' TO 4,285' W/NO PROBLEMS

Validated: (N)

==== Present Operation =====

DRILLING

==== Next Operation =====

DRILLING

==== Operation Narrative =====

DRILL AHEAD FROM 3,408' TO 3435'
SERVC. RIG
DRILL AHEAD FROM 3,435' TO 3,725'
SERVC. RIG
DRILL AHEAD FROM 3,725' TO 4,065'
SERVC. RIG
DRILL AHEAD FROM 4,065' TO 4,285'

==== Personnel =====

Name	Title
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JUN 24 1991
CORPORATION DIVISION
Wichita, Kansas

25-32-38W

Lease: W R D #2 UNIT Well #: 5 Well ID: 0025245
Field: OUTPOST State: KS County: STEVENS
API #: 15-189-21476-00 Ppty ID: 1335200 OCS #:
Contractor: UNIT Rig: 19 Water Depth: '
AFE Number: OCBM AFE Amount: 233 M Mobil GWI: 100.000%

KCC
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Date Started: 02/14/1991 Time Started: 06:00
Date Ended: 02/15/1991 Time Ended: 06:00 Job Type: Drilling
Drlg Days: 5 Est Drlg Days: 11 Progress: 748'
Depth: 5,033' Planned Depth: 6,500' Hole Size: 7.875"
TV Depth: 5,033' Hole Angle: 1.25 Mud Weight: 8.9 ppg
Last Csg: 8.625" Set At: 1,768' Shoe Test: 11.5 ppg
Daily Cost: 7 M Cum Cost: 116 M Pln Drlg Cst: 233 M
Supt: DH SMITH Engineer: KA CARWILE

==== Daily Summary =====

DRILL AHEAD FROM 4285' TO 5033', LOST PARTIAL RETURNS W/ 150 BBLS MUD @ 4385' & 75 BBLS @ 4764, RUNNING LCM SWEEPS, MAINTAINING LOW MUD WEIGHTS

Validated: (N)

==== Present Operation =====

DRILLING

==== Next Operation =====

DRILL AHEAD

==== Operation Narrative =====

DRILLING AHEAD FROM 4285' TO 4310'
SERVC. RIG
DRILL AHEAD FROM 4310' TO 4595'
SERVC. RIG
DRILL AHEAD FROM 4595' TO 4850'
SERVC. RIG
DRILL AHEAD FROM 4850' TO 5033'

==== Personnel =====

Name Title

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CONSULTATION DIVISION
Wichita, Kansas

Lease: W R D #2 UNIT Well #: 5 Well ID: 0025245
Field: OUTPOST State: KS County: STEVENS
API #: 15-189-21476-00 Ppty ID: 1335200 OCS #:
Contractor: UNIT Rig: 19 Water Depth: '
AFE Number: 0CBM AFE Amount: 233 M Mobil GWI: 100.000%

Date Started: 02/15/1991 Time Started: 06:00
Date Ended: 02/16/1991 Time Ended: 06:00 Job Type: Drilling
Drlg Days: 6 Est Drlg Days: 11 Progress: 524'
Depth: 5,557' Planned Depth: 6,500' Hole Size: 7.875"
TV Depth: 5,557' Hole Angle: 1.50ø Mud Weight: 9.0 ppg
Last Csg: 8.625" Set At: 1,768' Shoe Test: 11.5 ppg
Daily Cost: 6 M Cumm Cost: 123 M Pln Drlg Cst: 233 M
Supt: DH SMITH Engineer: KA CARWILE

===== Daily Summary =====

DRILLED FROM 5033' TO 5557', INCLUDING BIT RUN @ 5055', LOST 120 BBLS MUD @ 5195', REGAINED RETURNS, WORKED OCCASIONAL TIGHT CONNECTION, DISPERSED MUD AND REDUCED W.L. TO <10 C.C. FOR DRILLING THE MORROW FORMATION

Validated: (N)

===== Present Operation =====

DRILLING

===== Next Operation =====

DRILL THE MORROW

===== Operation Narrative =====

DRILL AHEAD FROM 5033' TO 5055'
SERVC. RIG
DRILL AHEAD FROM 5055' TO 5212', LOST 120 BBLS @ 5195' TO 5205'
CIRC. BTMS. UP, STRAP OUT OF HOLE FOR NEW BIT. TIH W/ NEW 7 7/8" BIT
DRILL AHEAD FROM 5212' TO 5340', WORKED KELLY ON 2-3 TIGHT CONNECTIONS
SERVC. RIG
DRILL AHEAD FROM 5340' TO 5557', COMPLETED DISPERSION OF MUD TO DRILL THE MORROW FORMATION

===== Personnel =====

Name	Title
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CONSERVATION DIVISION
Wichita, Kansas

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35-32-38W
JUN 10
CONFIDENTIAL

Lease: W R D #2 UNIT Well #: 5 Well ID: 0025245
Field: OUTPOST State: KS County: STEVENS
API #: 15-189-21476-00 Ppty ID: 1335200 OCS #:
Contractor: UNIT Rig: 19 Water Depth: '
AFE Number: OCBM AFE Amount: 233 M Mobil GWI: 100.000%

Date Started: 02/16/1991 Time Started: 06:00
Date Ended: 02/17/1991 Time Ended: 06:00 Job Type: Drilling
Drlg Days: 7 Est Drlg Days: 11 Progress: 548'
Depth: 6,105' Planned Depth: 6,500' Hole Size: 7.875"
TV Depth: 6,105' Hole Angle: 1.000° Mud Weight: 9.1 ppg
Last Csg: 8.625" Set At: 1,768' Shoe Test: 11.5 ppg
Daily Cost: 7 M Cumm Cost: 129 M Pln Drlg Cst: 233 M
Supt: DH SMITH Engineer: KA CARWILE

=====
Daily Summary
=====

DRILLED 5557' TO 6105', CIRC. DRLG BREAK, SHORT TRIP 10 STNDS, CIRC. FOR
SAMPLES, SHORT TRIP 6 STNDS, C & C FOR DST #1, POOH, PU TEST TOOLS, TIH FOR DST
#1

Validated: (N)

=====
Present Operation
=====

RUNNING DST #1

=====
Next Operation
=====

COMPLETE TIH FOR DST, EXECUTE DST #1, CONTINUE DRILLING

=====
Operation Narrative
=====

DRILL AHEAD FROM 5557' TO 5580'
SERVC. RIG
DRILL AHEAD FROM 5580' TO 5870'
SERVC. RIG
DRIL AHEAD FROM 5870' TO 6105'
CIRC. DRLG BREAK, SHORT TRIP 10 STNDS, CIRC. & SAMPLE FOR POSSIBLE DST, SHORT
TRIP 6 STNDS, C & C HOLE FOR DST #1
POOH TO PU TEST TOOLS AND RUN DST #1
PU TEST TOOLS & TIH FOR DST #1

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Personnel
=====

Name	Title
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STATE COMMISSION
Wichita, Kansas

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Lease: W R D #2 UNIT Well #: 5 Well ID: 0025245
Field: OUTPOST State: KS County: STEVENS
API #: 15-189-21476-00 Ppty ID: 1335200 OCS #:
Contractor: UNIT Rig: 19 Water Depth: '
AFE Number: OCBM AFE Amount: 233 M Mobil GWI: 100.000%

Date Started: 02/17/1991 Time Started: 06:00
Date Ended: 02/18/1991 Time Ended: 06:00 Job Type: Drilling
Drlg Days: 8 Est Drlg Days: 11 Progress: 209'
Depth: 6,314' Planned Depth: 6,500' Hole Size: 7.875"
TV Depth: 6,314' Hole Angle: 1.00ø Mud Weight: 9.1 ppg
Last Csg: 8.625" Set At: 1,768' Shoe Test: 11.5 ppg
Daily Cost: 11 M Cumm Cost: 140 M Pln Drlg Cst: 233 M
Supt: DH SMITH Engineer: KA CARWILE

===== Daily Summary =====

DRILLED AHEAD FROM 5557' TO 6105', ENCOUNTERED MINOR DRLG BREAK W/ SAMPLE SHOW,
GEOLOGIST CALLED FOR OPEN HOLE DST #1, RAN DST, NO SHOWS, DRILLED AHEAD TO 6314'

Validated: (N)

===== Present Operation =====

DRILLING

===== Next Operation =====

DRILLING

===== Operation Narrative =====

TIH & RU TEST LINE, OPERATE TOOL, TOH & BREAK DWN & LOAD OUT TEST TOOL, RIG DWN
TEST EQUIPMENT, TIH W/ #2 BIT, BREAK CIRCULATION @ 2600' & 4500'
SERVC. RIG
DRILL AHEAD FROM 6105' TO 6185'
SERVC. RIG
DRILL AHEAD FROM 6185' TO 6314'

===== Personnel =====

Name	Title
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STATE CORPORATION COMMISSION
WARRANT DIVISION

35-32-38W
JUN 10

Lease: W R D #2 UNIT Well #: 5 Well ID: 0025245
Field: OUTPOST State: KS County: STEVENS
API #: 15-189-21476-00 Ppty ID: 1335200 OCS #:
Contractor: UNIT Rig: 19 Water Depth: '
AFE Number: OCBM AFE Amount: 233 M Mobil GWI: 100.000%

ORIGINAL
CONFIDENTIAL

Date Started: 02/18/1991 Time Started: 06:00
Date Ended: 02/19/1991 Time Ended: 06:00 Job Type: Drilling
Drlg Days: 9 Est Drlg Days: 11 Progress: 176'
Depth: 6,490' Planned Depth: 6,500' Hole Size: 7.875"
TV Depth: 6,490' Hole Angle: 0.75ø Mud Weight: 9.1 ppg
Last Csg: 8.625" Set At: 1,768' Shoe Test: 11.5 ppg
Daily Cost: 24 M Cumm Cost: 164 M Pln Drlg Cst: 233 M
Supt: DH SMITH Engineer: KA CARWILE

==== Daily Summary =====

RAN DST#1 @ 6018', RD TEST TOOLS, TIH & DRILLED TO 6490' T.D., C & C HOLE FOR
"E" LOGS, RU AND RAN "E" LOGS, TIH TO SET BTM HO;E PLUG

Validated: (N)

==== Present Operation =====

TIH TO RUN BTM HOLE PLUG

==== Next Operation =====

RUNG 5 1/2" CSG & CMT.

==== Operation Narrative =====

DRILL AHEAD FROM 6185' TO 6330 '
SERVC. RIG
DRILL AHEAD FROM 6330' TO 6490'
C & C FOR LOGS, DROP SURVEY, STRAP OUT OF HOLE FOR "E" LOGS
RU FOR "E" LOGS, LOGGING, RIG DWN LOGGERS
TIH W/ OPEN DRILLSTRING TO RUN BTM HOLE PLUG FROM 6490' BACK TO 6175'

==== Personnel =====

Name	Title
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MSD965
02/20/1991

*** PRISM ***
DAILY SUMMARY DRILLING REPORT

Page 1
06:00

100
JUN 10
CONFIDENTIAL

Lease: W R D #2 UNIT
Field: OUTPOST
API #: 15-189-21476-00
Contractor: UNIT
AFE Number: OCBM

Well #: 5
State: KS
Ppty ID: 1335200
Rig: 19
AFE Amount: 233 M

Well ID: 0025245
County: STEVENS
OCS #:
Water Depth: 1
Mobil GWI: 100.000%

Date Started: 02/19/1991
Date Ended: 02/20/1991
Drlg Days: 10
Depth: 6,490'
TV Depth: 6,490'
Last Csg: 5.500"
Daily Cost: 73 M
Supt: DH SMITH

Time Started: 06:00
Time Ended: 06:00
Est Drlg Days: 11
Planned Depth: 6,500'
Hole Angle: 0.75°
Set At: 6,193'
Cumm Cost: 237 M
Engineer: KA CARWILE

Job Type: Drilling
Progress: 0'
Hole Size: 7.875"
Mud Weight: ppg
Shoe Test: 11.5 ppg
Pln Drlg Cst: 233 M

===== Daily Summary =====

TIH OPEN ENDED TO RUN BTM HOLE PLUG, RAN CMT PLUG, POOH TO PCIK UP BIT, TIH TO MILL PLUG TO 6193', POOH LAY DWN DRILL STRING, RU CSG CREW & RUN 5 1/2" CSG. RU AND RUN TWO STAGE CMT JOB

Validated: (N)

===== Present Operation =====

CEMENTING 5 1/2 " PRODUCTION CSG.

===== Next Operation =====

COMPLETE STAGE TWO OF CEMENT JOB, JET PITS, RELEASE RIG

===== Operation Narrative =====

COMPLETE TIH TO SET BTM HOLE PLUG, C & C HOLE, RUN CMT.
POOH, LAY DWN DRILL COLLARS, PICK UP BIT TO MILL CMT. PLUG, MILL PLUG TO 6193',
CIRC, CMT MUD OUT OF HOLE
POOH, LAY DWN DRILL STRING
RU CSG CREW 7 RUN 5 1/2" CSG.
RU AND RUN TWO STAGE CEMENT JOB ON 5 1/2" CSG.

===== Personnel =====

Name	Title

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REGISTRATION DIVISION
Wichita, Kansas

35-32-38w

Lease: W R D #2 UNIT Well #: 5 Well ID: 0025245
Field: OUTPOST State: KS County: STEVENS
API #: 15-189-21476-00 Ppty ID: 1335200 OCS #:
Contractor: UNIT Rig: 19 Water Depth: '
AFE Number: OCBM AFE Amount: 233 M Mobil GWI: 100.000%

ORIGINAL FILED
JUN 10

Date Started: 02/20/1991 Time Started: 06:00 Job Type: Drilling
Date Ended: 02/21/1991 Time Ended: 06:00 Progress: '
Drlg Days: 11 Est Drlg Days: 11 Planned Depth: 6,500' Hole Size: 7.875"
Depth: 6,490' Hole Angle: 0.75ø Mud Weight: ppg
TV Depth: 6,490' Set At: 6,193' Shoe Test: 11.5 ppg
Last Csg: 5.500" Cum Cost: 259 M Pln Drlg Cst: 233 M
Daily Cost: 23 M Engineer: KA CARWILE
Supt: DH SMITH

CONFIDENTIAL

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Daily Summary
=====

COMPLETED CEMENT JOB ON 5 1/2" CSG, WOC, NIPPLE DOWN, JET PITS, AND RELEASE RIG @ 1800, 2/20/91

Validated: (N)

=====
Present Operation
=====

=====
Next Operation
=====

RIG DOWN AND MOVE TO GRACE #1-3, PLAN TO SPUD WELL FRIDAY, 2/22/92

=====
Operation Narrative
=====

COMPLETE 2ND STAGE OF CEMENT JOB W/ 675 SX OF 50/50 POZ CLASS "H" TAIL SLURRY WOC, SET SLIPS, JET PITS & NIPPLE DOWN BOP, RELESE RIG @ 1800, 2/20/91

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Personnel
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Name	Title
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STATE COMMISSION
Wichita, KS 67245

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