

ORIGINAL  
SIDE ONE

KCC

JUN 10

STATE CORPORATION COMMISSION OF KANSAS  
OIL & GAS CONSERVATION DIVISION  
WELL COMPLETION FORM  
ACO-1 WELL HISTORY  
DESCRIPTION OF WELL AND LEASE

RELEASED

API NO. 15- 189-21476-0000

County Stevens

CONFIDENTIAL

E2 NE Sec. 35 Twp. 32S Rge. 38  East West

Operator: License # 5208 JUL 0 1 1992 3902.40 Ft. North from Southeast Corner of Section

Name: Mobil Oil Corporation 660 Ft. West from Southeast Corner of Section  
(NOTE: Locate well in section plat below.)

Address 2319 N. Kansas

Lease Name WRD #2 Unit Well # 5

Field Name Wildcat

Purchaser: Spot Market

Producing Formation Morrow

Operator Contact Person: Rae Kelly

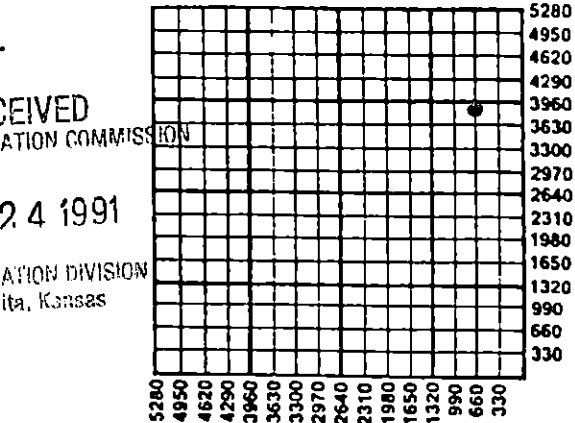
Elevation: Ground 3172 KB 3188

Phone (316) 626-1160

Total Depth 6490 PBD 6155

Contractor: Name: Unit Drilling & Exploration Co.

License: 9137



Wellsite Geologist: P.H. Weaverling STATE CORPORATION COMMISSION

RECEIVED

Designate Type of Completion  
 New Well  Re-Entry  Workover

JUN 24 1991

Oil  SWD  Temp. Abd.  CONSERVATION DIVISION  
 Gas  Inj  Delayed Comp.  Wichita, Kansas  
 Dry  Other (Core, Water Supply, etc.)

If OWMO: old well info as follows:  
Operator: \_\_\_\_\_

Well Name: \_\_\_\_\_

Comp. Date \_\_\_\_\_ Old Total Depth \_\_\_\_\_

Drilling Method:  
 Mud Rotary  Air Rotary  Cable

2-10-91 2-18-91 5-8-91  
Spud Date Date Reached TD Completion Date

Amount of Surface Pipe Set and Cemented at 1768 Feet

Multiple Stage Cementing Collar Used?  Yes  No

If yes, show depth set N/A Feet

If Alternate II completion, cement circulated from N/A

feet depth to N/A w/ N/A sx cmt.

INSTRUCTIONS: This form shall be completed in triplicate and filed with the Kansas Corporation Commission, 200 Colorado Derby Building, Wichita, Kansas 67202, within 120 days of the spud date of any well. Rule 82-3-130, 82-3-107 and 82-3-106 apply. Information on side two of this form will be held confidential for a period of 12 months if requested in writing and submitted with the form. See rule 82-3-107 for confidentiality in excess of 12 months. One copy of all wireline logs and drillers time log shall be attached with this form. ALL CEMENTING TICKETS MUST BE ATTACHED. Submit CP-4 form with all plugged wells. Submit CP-111 form with all temporarily abandoned wells. Any recompletion, workover or conversion of a well requires filing of ACO-2 within 120 days from commencement date of such work.

All requirements of the statutes, rules and regulations promulgated to regulate the oil and gas industry have been fully complied with and the statements herein are complete and correct to the best of my knowledge.

Signature R. Kelly

Title Engineering Technician Date 6-20-91

Subscribed and sworn to before me this 20th day of June 19 91.

Notary Public Esther M. Niemann

Date Commission ESTHER M. NIEMANN



K.C.C. OFFICE USE ONLY

F  Letter of Confidentiality Attached  
 C  Wireline Log Received  
 C  Drillers Timelog Received

Distribution

KCC  SWD/Rep  NGPA  
 KGS  Plug  Other  
 (Specify)

**SIDE TWO**

Operator Name Mobil Oil Corporation Lease Name WRD #2 Unit Well # 5  
 Sec. 35 Twp. 32S Rge. 38  East  West  
 County Stevens

**INSTRUCTIONS:** Show important tops and base of formations penetrated. Detail all cores. Report all drill stem tests giving interval tested, time tool open and closed, flowing and shut-in pressures, whether shut-in pressure reached static level, hydrostatic pressures, bottom hole temperature, fluid recovery, and flow rates if gas to surface during test. Attach extra sheet if more space is needed. Attach copy of log.

Drill Stem Tests Taken (Attach Additional Sheets.)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<b>Formation Description</b>  <input checked="" type="checkbox"/> Log <input type="checkbox"/> Sample  <table border="1"> <thead> <tr> <th>Name</th> <th>Top</th> <th>Bottom</th> </tr> </thead> <tbody> <tr> <td>Stone Corral</td> <td>---</td> <td>1773</td> </tr> <tr> <td>Chase</td> <td>2560</td> <td></td> </tr> <tr> <td>Council Grove</td> <td>2869</td> <td></td> </tr> <tr> <td>Admire</td> <td>3131</td> <td></td> </tr> <tr> <td>Wabaunsee</td> <td>3297</td> <td></td> </tr> <tr> <td>Shawnee</td> <td>3563</td> <td></td> </tr> <tr> <td>Kansas City</td> <td>4502</td> <td></td> </tr> <tr> <td>Marmaton</td> <td>4900</td> <td></td> </tr> <tr> <td>Cherokee</td> <td>5144</td> <td></td> </tr> <tr> <td>Morrow</td> <td>5649</td> <td></td> </tr> <tr> <td>Chester</td> <td>6150</td> <td></td> </tr> <tr> <td>St. Genevieve</td> <td>6410</td> <td></td> </tr> </tbody> </table>	Name	Top	Bottom	Stone Corral	---	1773	Chase	2560		Council Grove	2869		Admire	3131		Wabaunsee	3297		Shawnee	3563		Kansas City	4502		Marmaton	4900		Cherokee	5144		Morrow	5649		Chester	6150		St. Genevieve	6410	
Name	Top		Bottom																																						
Stone Corral	---		1773																																						
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Cherokee	5144																																								
Morrow	5649																																								
Chester	6150																																								
St. Genevieve	6410																																								
Samples Sent to Geological Survey	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No																																								
Cores Taken	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No																																								
Electric Log Run (Submit Copy.)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No																																								

**CASING RECORD**  New  Used  
 Report all strings set-conductor, surface, intermediate, production, etc.

Purpose of String	Size Hole Drilled	Size Casing Set (In O.D.)	Weight Lbs./Ft.	Setting Depth	Type of Cement	# Sacks Used	Type and Percent Additives
Surface Csg.	12.250	8.625	24#	1768	CL C Lite	520	65:35:6+3%CC
					CL C	310	+2%CC
Production Csg.	7.875	5.500	14#	6193	CL H	670	50:50+2%CC
					CL H	510	

Shots Per Foot	PERFORATION RECORD Specify Footage of Each Interval Perforated	Acid, Fracture, Shot, Cement Squeeze Record (Amount and Kind of Material Used)	Depth
4 SPF	6043-6076 0.A	Acidized w/ 2000 gal. 25% Methanol Treated Wtr. Frac'd w/ 17,000 gal CO <sub>2</sub> Foam and 26,500 lbs. of sand	6043-6076 0.A.

**TUBING RECORD** Size 2 7/8 Set At \_\_\_\_\_ Packer At \_\_\_\_\_ Liner Run  Yes  No

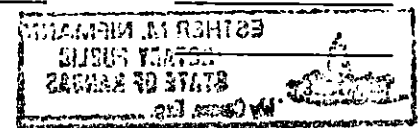
Date of First Production w/o connection \_\_\_\_\_ Producing Method  Flowing  Pumping  Gas Lift  Other (Explain) \_\_\_\_\_

Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio	Gravity
		800			

Disposition of Gas:  Vented  Sold  Used on Lease (If vented, submit ACO-18.)

METHOD OF COMPLETION:  Open Hole  Perforation  Dually Completed  Commingled  Other (Specify) \_\_\_\_\_

Production Interval: 6043-6076 0.A.



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MSD991

\*\*\* PRISM \*\*\*

Page 1

Primary Cementing Report

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  
CQSG #:

ORIGINAL JUN 10

CONFIDENTIAL

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

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

Cementing Company: HALLIBURTON District: LIBERAL, KS

RELEASED

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

JUL 0 1 1992

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

FROM CONFIDENTIAL

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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Primary Cementing Report

Page 2

Lease: W R D #2 UNIT

Well #: 5

Well ID: 0025245

ORIGINAL KOC

JUN 1 0

CONFIDENTIAL

Stage Remarks:

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

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MSD991

\*\*\* PRISM \*\*\*

Page 1

Primary Cementing Report

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 #:

ORIGINAL

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

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MSD991

Primary Cementing Report

Page 2

Lease: W R D #2 UNIT

Well #: 5

Well ID: 0025245

ORIGINAL

KCO

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

Preflush  
 Flush  
 Postflush  
 Displacement

Displacement Rate: 6.0 BPM

Stage Remarks:

Report Generated on: 06/19/91 @ 11:13 End of Report.....  
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CONSERVATION DIVISION  
Wichita, Kansas

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MSD965  
02/11/1991

\*\*\* PRISM \*\*\*  
DAILY SUMMARY DRILLING REPORT

Page 1  
06:00

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 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
Drig Days: 1	Est Drig 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 Drig Cst: 233 M
Supt: DH SMITH	Engineer: KA CARWILE	

RELEASED

JUN 01 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
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Report Generated On: 06/19/91 @ 10:35 End of Report.....

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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%

ORIGINAL KCC  
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
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Wichita, Kansas



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MSD965  
02/13/1991

\*\*\* PRISM \*\*\*  
DAILY SUMMARY DRILLING REPORT

Page 1  
06:00

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:  
Mobil GWI: 100.000%

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Date Started: 02/12/1991  
Date Ended: 02/13/1991  
Drlg Days: 3  
Depth: 3,408'  
TV Depth: 3,408'  
Last Csg: 8.625"  
Daily Cost: 13 M  
Supt: DH SMITH

Time Started: 06:00  
Time Ended: 06:00  
Est Drlg Days: 11  
Planned Depth: 6,500'  
Hole Angle: 1.25°  
Set At: 1,768'  
Cumm Cost: 83 M  
Engineer: KA CARWILE

Job Type: Drilling  
Progress: 858'  
Hole Size: 7.875"  
Mud Weight: 9.0 ppg  
Shoe Test: 11.5 ppg  
Pln Drlg Cst: 233 M

==== 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.....  
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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%

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

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

ORIGINAL 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: 1.25ø Mud Weight: 8.9 ppg  
Last Csg: 8.625" Set At: 1,768' Shoe Test: 11.5 ppg  
Daily Cost: 7 M Cumm 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
------	-------

=====  
Report Generated On: 06/19/91 @ 10:35 End of Report.....  
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CONSERVATION DIVISION  
Wichita, Kansas

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02/16/1991

\*\*\* PRISM \*\*\*  
DAILY SUMMARY DRILLING REPORT

Page 1  
06:00

ORIGINAL KCC

JUN 1 0  
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: 02/15/1991	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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JUN 24 1991

CONSERVATION DIVISION  
Wichita, Kansas

KCC  
JUN 18 1991  
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 Job Type: Drilling  
Date Ended: 02/17/1991 Time Ended: 06:00 Progress: 548'  
Drlg Days: 7 Est Drlg Days: 11 Hole Size: 7.875"  
Depth: 6,105' Planned Depth: 6,500' Mud Weight: 9.1 ppg  
TV Depth: 6,105' Hole Angle: 1.00ø Shoe Test: 11.5 ppg  
Last Csg: 8.625" Set At: 1,768' Pln Drlg Cst: 233 M  
Daily Cost: 7 M Cumm Cost: 129 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

==== Personnel =====

Name	Title
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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

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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 )

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Present Operation  
=====

DRILLING

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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'

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Personnel  
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Name	Title
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ORIGINAL

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: 02/18/1991 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: 0.75° 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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ORIGINAL 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: 02/19/1991 Time Started: 06:00  
Date Ended: 02/20/1991 Time Ended: 06:00 Job Type: Drilling  
Drlg Days: 10 Est Drlg Days: 11 Progress: 0'  
Depth: 6,490' Planned Depth: 6,500' Hole Size: 7.875"  
TV Depth: 6,490' Hole Angle: 0.75ø Mud Weight: ppg  
Last Csg: 5.500" Set At: 6,193' Shoe Test: 11.5 ppg  
Daily Cost: 73 M Cumm Cost: 237 M Pln Drlg Cst: 233 M  
Supt: DH SMITH Engineer: KA CARWILE

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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 )

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Present Operation  
=====

CEMENTING 5 1/2 " PRODUCTION CSG.

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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.

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Personnel  
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Name	Title
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MSD965  
02/21/1991

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DAILY SUMMARY DRILLING REPORT

Page 1  
06:00

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:  
Mobil GWI: 100.000%

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Date Started: 02/20/1991  
Date Ended: 02/21/1991  
Drlg Days: 11  
Depth: 6,490'  
TV Depth: 6,490'  
Last Csg: 5,500"  
Daily Cost: 23 M  
Supt: DH SMITH

Time Started: 06:00  
Time Ended: 06:00  
Est Drlg Days: 11  
Planned Depth: 6,500'  
Hole Angle: 0.75ø  
Set At: 6,193'  
Cumm Cost: 259 M  
Engineer: KA CARWILE

Job Type: Drilling  
Progress: 1  
Hole Size: 7.875"  
Mud Weight: ppg  
Shoe Test: 11.5 ppg  
Pln Drlg Cst: 233 M

==== 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

==== Personnel =====

Name	Title

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