

ORIGINAL

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

Operator: License # 5208

Name: Mobil Oil Corporation

Address P.O. Box 2173

2319 North Kansas Avenue

City/State/Zip Liberal, KS 67905-2173

Purchaser: Spot Market

Operator Contact Person: Sharon Cook

Phone (316) 626-1142

Contractor: Name: Norseman Drilling Inc.

License: 3779

Wellsite Geologist: L. J. Reimer

Designate Type of Completion

New Well Re-Entry Workover

Oil SWD SLOW Temp. Abd.
 Gas ENHR SIGW
 Dry Other (Core, WSW, Expl., Cathodic, etc)

If Workover:

Operator: _____

Well Name: _____

Comp. Date _____ Old Total Depth _____

Deepening Re-perf. Conv. to Inj/SWD
 Plug Back PBTB
 Commingled Docket No. _____
 Dual Completion Docket No. _____
 Other (SWD or Inj?) Docket No. _____

4-8-97 4-12-97 5-14-97
Spud Date Date Reached TD Completion Date

API NO. 15- 093-215360000

County Kearny

SW - SW - SE Sec. 14 Twp. 25S Rge. 35 X E

390 Feet from S/N (circle one) Line of Section

2330 Feet from E/W (circle one) Line of Section

Footages Calculated from Nearest Outside Section Corner:
NE, (SE) NW or SW (circle one)

Lease Name Orra Dean Unit Well # 4

Field Name Hugoton

Producing Formation Chase

Elevation: Ground 2995 KB 3004

Total Depth 2820 PBTB 2766

Amount of Surface Pipe Set and Cemented at 838 Feet

Multiple Stage Cementing Collar Used? Yes No

If yes, show depth set NA Feet

If Alternate II completion, cement circulated from NA

feet depth to NA w/ NA sx cmt.

Drilling Fluid Management Plan ALT 1 RB 8-20-97
(Data must be collected from the Reserve Pit)

Chloride content 28,000 ppm Fluid volume _____ bbls

Dewatering method used Waste Minimization Mud System

Location of fluid disposal if hauled offsite: _____

Operator Name Mobil Oil Corporation

Lease Name _____ License No. 5208

Quarter _____ Sec. _____ Twp. _____ S Rge. _____ E/W

County _____ Docket No. _____

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KANSAS CORP COM
1997 JUL 2 11:15
07-21-97

INSTRUCTIONS: An original and two copies of this form shall be filed with the Kansas Corporation Commission, 130 S. Market - Room 2078, Wichita, Kansas 67202, within 120 days of the spud date, recompletion, workover or conversion of a well. Rule 82-3-130, 82-3-106 and 82-3-107 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 geologist well report 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.

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 Sharon A. Cook Sharon A. Cook

Title Regulatory Assistant Date 7-17-97

Subscribed and sworn to before me this 17th day of July, 19 97.

Notary Public Kathleen R. Poulton

Date Commission Expires August 18, 1998
7-46.kcc

K.C.C. OFFICE USE ONLY		
F	<input checked="" type="checkbox"/>	Letter of Confidentiality Attached
C	<input type="checkbox"/>	Wireline Log Received
C	<input type="checkbox"/>	Geologist Report Received
Distribution		
<input checked="" type="checkbox"/>	KCC	<input type="checkbox"/> SWD/Rep
<input type="checkbox"/>	KGS	<input type="checkbox"/> Plug
<input checked="" type="checkbox"/>		NGPA
		Other (Specify)

NOTARY PUBLIC - State of Kansas
KATHLEEN R. POULTON
My Appl. Exp. 08-18-98

ORIGINAL

SIDE TWO

Operator Name Mobil Oil Corporation Lease Name Orra Dean Unit Well # 4
Sec. 14 Twp. 25S Rge. 35 East County Kearny West

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.)
Samples Sent to Geological Survey
Cores Taken
Electric Log Run (Submit Copy.)
List All E.Logs Run:
Array Induction -SP/Micro-Resistivity-GR
Compensated Neutron Litho-Density-GR
Natural Gamma Ray Spectrometry Log
Answer Product

Table with columns: Log, Formation (Top), Depth and Datums, Sample. Rows include Glorietta, Stone Corral, Chase, Council Grove with their respective depths and datums.

CASING RECORD table with columns: 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. Includes Surface and Production casing data.

ADDITIONAL CEMENTING/SQUEEZE RECORD table with columns: Purpose, Depth Top Bottom, Type of Cement, #Sacks Used, Type and Percent Additives. Includes Perforate, Protect Casing, Plug Back TD, Plug Off Zone.

PERFORATION RECORD - Bridge Plugs Set/Type and Acid, Fracture, Shot, Cement Squeeze Record (Amount and Kind of Material Used) Depth. Includes data for 2 SPF and various intervals.

TUBING RECORD table with columns: Size, Set At, Packer At, Liner Run (Yes/No). Includes Date of First, Resumed Production, SWD or Inj. and Producing Method (Flowing, Pumping, Gas Lift, Other).

Disposition of Gas: Vented, Sold, Used on Lease, Open Hole, Perf., Dually Comp., Commingled. Production Interval: 2500, 2682.

CEMENTING SERVICE REPORT

Schlumberger
Dowell

TREATMENT NUMBER: 25-12-9122 DATE: 4-9-97
PAGE: DS DISTRICT: 7115556, Kc.

DS-498-A - PRINTED IN U.S.A.

WELL NAME AND NO. ORPA DEAN #4 LOCATION (LEGAL) Sec. 14-25c-35w
FIELD-POOL FORMATION
COUNTY/PARISH COAHY STATE Kc. API. NO.
NAME Mobil Oil Corp
ADDRESS
ZIP CODE

RIG NAME: NORSEMAN Drilling #2
WELL DATA: BOTTOM TOP
BIT SIZE 2 1/4 CSG/Liner Size 8 3/8
TOTAL DEPTH 838 WEIGHT 74 ORIGINAL
ROT CABLE FOOTAGE 838
MUD TYPE GRADE USS50
MUD DENSITY LESS FOOTAGE SHOE JOINT(S) 3.7
MUD VISC. Disp. Capacity 51

SPECIAL INSTRUCTIONS
IS CASING/TUBING SECURED? YES NO
LIFT PRESSURE 344 PSI CASING WEIGHT + SURFACE AREA (3.14 x R²)
PRESSURE LIMIT PSI BUMP PLUG TO 1030 PSI
ROTATE RPM RECIPROCATE FT No. of Centralizers

NOTE: Include Footage From Ground Level To Head In Disp. Capacity
SHOE Float Stage Tool TYPE DEPTH TYPE DEPTH
Type Baffle Plate 801
Type cmt. nose 838
Head & Plugs TBG D.P. SQUEEZE JOB
Double Single Swage Knockoff TOP BOT TOOL TYPE DEPTH TAIL PIPE: SIZE DEPTH TUBING VOLUME CASING VOL. BELOW TOOL TOTAL ANNUAL VOLUME

TIME	PRESSURE		VOLUME PUMPED BBL		JOB SCHEDULED FOR			ARRIVE ON LOCATION		LEFT LOCATION	
	TBG OR D.P.	CASING	INCREMENT	CUM	INJECT RATE	FLUID TYPE	FLUID DENSITY	TIME	DATE	TIME	DATE
0001 to 2400											
1011	1550										
1012	0		25		5.1	H2O					
1017	180		84		5.7	cmt	12.8				
1026	140		54		5.7	cmt	12.8				
1031	145		38		5.7	cmt	14.0				
1036	185		25		5.7	cmt	14.0				
1038	0										
1040	0		51		6	H2O					
1044	120		26		6	H2O					
1046	140		30		6						
1048	241		43		2.2						
1051	240		49		2.2						
1052	630		51		2.2						
1053											

REMARKS: PRE-JOB SAFETY MEETING & PSI TEST LINE
start H2O ahead
start lead cmt
PSI check
start tail cmt
PSI check
shut down deep top plug
start displacement
PSI check
lower rate
PSI check
bump top plug
shut in cmt manifold bleed psi of
paid job

SYSTEM CODE	NO. OF SACKS	YIELD CU. FT/SK	COMPOSITION OF CEMENTING SYSTEMS		SLURRY MIXED	
					BBLs	DENSITY
1.	250	1.89	50% cement + 6% gal + 3% carls + 5% 1044 + 1/4 #1029		84.1	12.0
2.						
3.	175	1.22	50% cement + 2.5% carls + 1/4 #1029		38	14.0
4.						
5.						
6.						

BREAKDOWN FLUID TYPE VOLUME DENSITY PRESSURE MAX. 1145 MIN. 40
 HESITATION SQ. RUNNING SQ. CIRCULATION LOST YES NO Cement Circulated To Surf. YES NO 40 Bbls
 BREAKDOWN PSI FINAL PSI DISPLACEMENT VOL. 51 Bbls TYPE OF WELL OIL STORAGE BRINE WATER
 WASHED THRU PERIS YES NO TO FT. MEASURED DISPLACEMENT WIRELINE GAS INJECTION WILDCAT
 PERFORATIONS TO TO CUSTOMER REPRESENTATIVE J. Lasiter DS SUPERVISOR T. Esquivel

CEMENTING SERVICE REPORT

Schlumberger
Dowell

TREATMENT NUMBER: 9128
DATE: 2-13-97
STAGE: 1 DS: 03 DISTRICT: 13

DS-496 - PRINTED IN U.S.A.

WELL NAME AND NO.: ORRO Dev. #14
LOCATION (LEGAL): SPT. 14-355-35W
FIELD-POOL: HUGSTON
FORMATION: Chase
COUNTY/PARISH: KERR
STATE: TX APL. NO.:
NAME: Mobil Oil
ADDRESS:
ZIP CODE:

RIG NAME: *Northman 7*
WELL DATA:
BIT SIZE: 7 7/8 CSG/Liner Size: 5 1/2
TOTAL DEPTH: 2764 WEIGHT: 14
MUD TYPE: GRADE: 45550
MUD DENSITY: 7.84
MUD VISC.: Disp. Capacity: 675

ORIGINAL

SPECIAL INSTRUCTIONS:
Ball valve cont. 5 1/2 115 w/ cap
115 w/ cap instructions

IS CASING/TUBING SECURED? YES NO
LIFT PRESSURE: PSI CASING WEIGHT + SURFACE AREA (3.14 x R²)
PRESSURE LIMIT: 7000 PSI BUMP PLUG TO: 1180 PSI
ROTATE: RPM RECIPROCATATE FT No. of Centralizers

NOTE: Include Footage From Ground Level To Head In Disp. Capacity

Float	TYPE	DEPTH	Stage Tool	TYPE	DEPTH
	out of hole	2764			
SHOE	TYPE	DEPTH		TYPE	DEPTH
	Final nose	2810			

Head & Plugs: TBG D.P. SQUEEZE JOB
 Double Single Swage Knockoff
TOOL: SIZE WEIGHT GRADE THREAD TUBING VOLUME: Bbls
DEPTH TUBING VOL. BELOW TOOL: Bbls
BOT OR OW DEPTH TOTAL: Bbls
ANNUAL VOLUME: Bbls

TIME	PRESSURE		VOLUME PUMPED BBL		JOB SCHEDULED FOR			ARRIVE ON LOCATION		LEFT LOCATION	
	TBG OR D.P.	CASING	INCREMENT	CUM.	INJECT RATE	FLUID TYPE	FLUID DENSITY	TIME	DATE	TIME	DATE
0001 to 2400											
1339		1800	X			H2O	8.3				
1342		100	35	X	4.5	11	11				
1349		130	42	35	4.5	11	11.5				
1409		85	17	127	9.5	11	11.5				
1413		130		144		H2O	8.3				
1417		10			4.5	11	11				
1427		130	40	4.5	11	11					
1430		350	50	4.5	11	11					
1432		550	60	4.5	11	11					
1432		510	61	2	11	11					
1434		600	65	2	11	11					
1435		630	67	2	11	11					
1435		1180	676	2	11	11					
1436											

REMARKS:
PRE-JOB SAFETY MEETING
PSI TEST
start 11.0
50 cont.
0 71 cont.
shut down wash to kit
drop plug start displ.
PSI check
H2O ball to surface
PSI check
30 min make
PSI check
PSI check
pump top plug
blood line check good

SYSTEM CODE	NO. OF SACKS	YIELD CU. FT/SK	COMPOSITION OF CEMENTING SYSTEMS				SLURRY MIXED		
			1	2	3	4	BBLs	DENSITY	
1.	200	2.75	67.3%	D-79	0.2%	D-46	1/2" D-29	97	11.5
2.									
3.	75	1.37	67.3%	A-29	2%	S-14	0.6%	D-46	4 1/2" D-29
4.									
5.									
6.									

BREAKDOWN FLUID TYPE: HESITATION SQ. RUNNING SQ. CIRCULATION LOST YES NO
PRESSURE: 1190 MAX. 10 MIN.
Cement Circulated To Surf. YES NO

BREAKDOWN: PSI FINAL: PSI DISPLACEMENT VOL. 67.6 Bbls
Washed Thru Perfs YES NO TO FT. MEASURED DISPLACEMENT WIRELINE

PERFORATIONS: TO TO TO TO
CUSTOMER REPRESENTATIVE: *Robert To Star*
DS SUPERVISOR: *R. J. ...*