

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. _____

6-16-97 6-19-97 7-23-97
Spud Date Date Reached TD Completion Date

API NO. 15- 189-221710000

County Stevens

-Apprx- C - NW Sec. 20 Twp. 32 Rge. 35 X W

1320 Feet from S/N (circle one) Line of Section

1250 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 Bock A1 Unit Well # 2

Field Name Hugoton

Producing Formation Chase

Elevation: Ground 3025 KB 3034

Total Depth 2916 PBTB 2861

Amount of Surface Pipe Set and Cemented at 590 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 Att. 1, 4-10-98 i.c.
(Data must be collected from the Reserve Pit)

Chloride content 11,000 ppm Fluid volume 250 bbls

Dewatering method used Evaporation

Location of fluid disposal if hauled offsite:

Operator Name Mobil Oil Corporation

Lease Name _____ License No. 5208

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

County _____ Docket No. 10-0197

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.

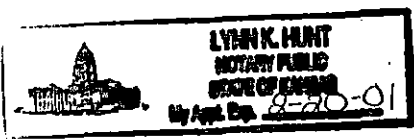
Signature Sharon A. Cook Sharon A. Cook
Title Regulatory Assistant Date 9-30-97

Subscribed and sworn to before me this 30th day of September, 19 97.

Notary Public Lynnk K. Hunt

Date Commission Expires February 20, 2001
7-69.kcc

K.C.C. OFFICE USE ONLY		
F	<input 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"/> NGPA
<input type="checkbox"/>	KGS	<input type="checkbox"/> Plug <input type="checkbox"/> Other (Specify)



ORIGINAL

SIDE TWO

Operator Name Mobil Oil Corporation Lease Name Bock A1 Unit Well # 2

Sec. 20 Twp. 32 Rge. 35 East County Stevens 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:
NO LOGS RUN

Log Formation (Top), Depth and Datums
Name Top Datum

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 rows for Surface Casing and Production Casing.

ADDITIONAL CEMENTING/SQUEEZE RECORD table with columns: Purpose, Depth Top Bottom, Type of Cement, #Sacks Used, Type and Percent Additives.

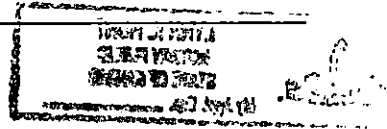
PERFORATION RECORD - Bridge Plugs Set/Type table with columns: Shots Per Foot, Specify Footage of Each Interval Perforated, Acid, Fracture, Shot, Cement Squeeze Record (Amount and Kind of Material Used), Depth.

TUBING RECORD Size Set At Packer At Liner Run Yes No

Date of First, Resumed Production, SWD or Inj. 7-7-97 Producing Method X Flowing Pumping Gas Lift Other (Explain)

Estimated Production Per 24 Hours Oil Bbls. Gas Mcf 328 Water Bbls. Gas-Oil Ratio Gravity

Disposition of Gas: Vented Sold Used on Lease
METHOD OF COMPLETION: Open Hole Perf. Dually Comp. Commingled
Production Interval: 2712, 2818



CEMENTING SERVICE REPORT

Schlumberger
Dowell

TREATMENT NUMBER: 102702 DATE: 1-19-97
STATE: KS DISTRICT: 11K-2054

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

WELL NAME AND NO. Block A1-2 LOCATION (LEGAL) SAC 20.725-35W
 FIELD-POOL Hugoton FORMATION CHASE
 COUNTY/PARISH Stevens STATE Ks API. NO.

RIG NAME: NO. 5 MAN #2
 WELL DATA: BIT SIZE 7 7/8 CSG/Liner Size 5 1/2 BOTTOM TOP
 TOTAL DEPTH 291 WEIGHT 1415
 ROT CABLE FOOTAGE 20.0
 MUD TYPE GRADE
 BHST BHCT THREAD 8 1/2
 MUD DENSITY LESS FOOTAGE SHOE JOINT(S) 4.1 TOTAL
 MUD VISC. Disp. Capacity 698

NAME Mobil Oil
 AND
 ADDRESS
 ZIP CODE

ORIGINAL

SPECIAL INSTRUCTIONS Sorter, Cement
deducted from casing
log detected by contractor

NOTE: Include Footage From Ground Level To Head In Disp. Capacity
 Float TYPE nut & flange TYPE
 DEPTH 2801 DEPTH
 Shoe TYPE nut & seal TYPE
 DEPTH 2906 DEPTH

IS CASING/TUBING SECURED? YES NO
 LIFT PRESSURE 1716 PSI CASING WEIGHT SURFACE AREA (3.14 x R²)
 PRESSURE LIMIT 2800 PSI BUMP PLUG TO 1529 PSI
 ROTATE - RPM RECIPROCATE - FT No. of Centralizers -

Head & Plugs TBG D.P. SQUEEZE JOB
 Double SIZE TOOL TYPE
 Single WEIGHT DEPTH
 Swage GRADE TAIL PIPE: SIZE DEPTH
 Knockoff THREAD TUBING VOLUME Bbls
 TOP OR W NEW, USED CASING VOL BELOW TOOL Bbls
 BOT OR W 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											
0015											
0025	-	2148	-	-	-	-	-				
0030	-	210	25		5.6	H ₂ O	8.3				
0035	-	156	979	25	5.6	CH ₂	11.5				
0041	-	270	2113	1229	5.6	CH ₂	14.8				
0047	-										
0049	-	400	60	1170	5.7	H ₂ O	8.3				
0051	-	310	9.5	207.5	2	H ₂ O	8.3				
0106	-	1529									
0118	-			217							
0118	-										
0118	-										

REMARKS

SYSTEM CODE	NO. OF SACKS	YIELD CU. FT/SK	COMPOSITION OF CEMENTING SYSTEMS				SLURRY MIXED	
							BBLs	DENSITY
1.	200	2.25	200 SKS CLASS C + 3% D751 + 2% D4E + 1% H ₂ O/SK P25				97.7	11.5
2.	100	1.37	100 SKS CLASS C + 3% D25 + 2% S1 + 1.6% D10 + 2% D18 + 1% H ₂ O/SK				71.3	11.5
3.								
4.								
5.								
6.								

BREAKDOWN FLUID TYPE / VOLUME DENSITY PRESSURE MAX MIN
 HESITATION SQ. RUNNING SQ. CIRCULATION LOST YES NO Cement Circulated To Surf. YES NO Bbls
 BREAKDOWN PSI FINAL PSI DISPLACEMENT VOL. 19.8 Bbls TYPE OF WELL OIL STORAGE BRINE WATER
 GAS INJECTION WILDCAT
 Washed Thru Perfs YES NO TO FT. MEASURED DISPLACEMENT WIRELINE
 PERFORATIONS TO TO CUSTOMER REPRESENTATIVE DS SUPERVISOR

CEMENTING SERVICE REPORT

Schlumberger
Dowell

ATTACHMENT NUMBER: 2143
DATE: 1-11-97
STAGE: DS DISTRICT: HKS 2054

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

WELL NAME AND NO. **Block A 1-2**
 LOCATION (LEGAL) **SEC 20-32S-35W**
 FIELD-POOL **Hugoton**
 FORMATION **Surface**
 COUNTY/PARISH **Stevens**
 STATE **K's** API. NO.

RIG NAME: **WORMAN #2**
 WELL DATA: BOTTOM TOP
 BIT SIZE **12 1/4** CSG/Liner Size **8 1/8**
 TOTAL DEPTH **590** WEIGHT **2416**
 ROT CABLE FOOTAGE **180**
 MUD TYPE GRADE
 BHST BHCT THREAD **3 1/4**
 MUD DENSITY LESS FOOTAGE SHOE JOINT(S) **4.2** TOTAL
 MUD VISC. Disp. Capacity **34.9**

NAME **Mobil Oil**
 AND
 ADDRESS
 ZIP CODE

ORIGINAL

SPECIAL INSTRUCTIONS
**Surface casing cement
 surface casing as
 directed by instruction**

Focal	TYPE		Stage Tool	TYPE	
	DEPTH	518		DEPTH	
SHOE	TYPE	Cat Arsu		TYPE	
	DEPTH	590		DEPTH	

IS CASING/TUBING SECURED? YES NO
 LIFT PRESSURE **242** PSI CASING WEIGHT - SURFACE AREA (3.14 x R²)
 PRESSURE LIMIT **1500** PSI BUMP PLUG TO **930** PSI
 ROTATE RPM RECIPROCATE FT No. of Centralizers

Head & Plugs TBG D.P. SQUEEZE JOB
 Double SIZE TOOL TYPE
 Single WEIGHT DEPTH
 Swage GRADE TAIL PIPE: SIZE DEPTH
 Knockoff THREAD TUBING VOLUME Bbls
 TOP OR NEW USED **Y** CASING VOL BELOW TOOL Bbls
 BOT OR 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	TIME	DATE	TIME	DATE	TIME	DATE	
0001 to 2400											
0010											
0022											
0027											
0037											
0042											
0049											
0053											
0055											
0058											

REMARKS

SYSTEM CODE	NO. OF SACKS	YIELD CU. FT/SK	COMPOSITION OF CEMENTING SYSTEMS		SLURRY MIXED	
			BBLS	DENSITY	BBLS	DENSITY
1	175	1.09	175 SKs	10.2	33.9	10.2
2	150	1.32	150 SKs	11.6	37.5	11.6
3						
4						
5						
6						

BREAKDOWN FLUID TYPE VOLUME DENSITY PRESSURE MAX. MIN. 29.5
 HESITATION SQ. RUNNING SQ. CIRCULATION LOST YES NO Cement Circulated To Surf. YES NO
 BREAKDOWN PSI FINAL PSI DISPLACEMENT VOL **311 97** Bbls TYPE OF WELL OIL STORAGE BRINE WATER GAS INJECTION WILDCAT
 Washed Thru Perfs YES NO TO FT. MEASURED DISPLACEMENT WIRELINE
 PERFORATIONS TO TO CUSTOMER REPRESENTATIVE **H. J. Swift** DS SUPERVISOR **P. J. ...**