

ORIGINAL

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

API NO. 15- 189-208540002

County Stevens  
C - SW - SW Sec. 1 Twp. 32S Rge. 35 X E

Operator: License # 5208

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

Name: Mobil Oil Corporation

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

Address P.O. Box 2173  
2319 North Kansas Avenue

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

City/State/Zip Liberal, KS 67905-2173

Lease Name Brownell C1 Unit Well # 4

Purchaser: Spot Market

Field Name Hugoton

Operator Contact Person: Sharon Cook

Producing Formation Chase

Phone (316) 626-1142

Elevation: Ground 2969 KB 2978

Contractor: Name: Bruce Well Service

Total Depth 6340 PBDT 5890

License: 07407

Amount of Surface Pipe Set and Cemented at 1818 Feet

Wellsite Geologist: L. J. Reimer

Multiple Stage Cementing Collar Used? Yes X No

Designate Type of Completion  
     New Well      Re-Entry X      Workover

If yes, show depth set NA Feet

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

If Alternate II completion, cement circulated from NA

feet depth to NA w/ NA sx cmt.

If Workover:

Drilling Fluid Management Plan 00W08-7-96  
(Data must be collected from the Reserve Pit)

Operator: Mobil Oil Corporation

Chloride content NA ppm Fluid volume NA bbls

Well Name: Hershell Logan Well #1

Dewatering method used     

Comp. Date 7-2-85 Old Total Depth 6340  
X Rename TAd 10-18-88  
     Deepening X Re-perf.      Conv. to Inj/SWD  
X Plug Back 5890 PBDT  
     Commingled      Docket No.       
     Dual Completion      Docket No.       
     Other (SWD or Inj?)      Docket No.     

Location of fluid disposal if hauled offsite:     

Operator Name NA

Lease Name      License No.     

     Quarter      Sec.      Twp.      S Rng.      E/W

County      Docket No.     

1-15-96 1-22-96  
Spud Date Date Reached TD Completion Date  
Commenced Recompletion

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

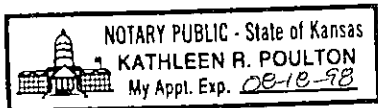
Title Regulatory Asst. Date 2-27-96

Subscribed and sworn to before me this 27th day of February,  
19 96.

Notary Public Kathleen R. Poulton

Date Commission Expires August 18, 1998  
6-81 .kcc

K.C.C. OFFICE USE ONLY  
F      Letter of Confidentiality Attached  
C      Wireline Log Received  
C      Geologist Report Received  
Distribution  
✓ KCC      SWD/Rep      NGPA  
     KGS      Plug      Other  
(Specify)



SIDE TWO

Operator Name Mobil Oil Corporation Lease Name Brownell C1 Unit Well # 4  
 Sec. 1 Twp. 32S Rge. 35  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 type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Log Formation (Top), Depth and Datums <input type="checkbox"/> Sample Name Top Datum  NO CHANGE
Samples Sent to Geological Survey	<input type="checkbox"/> Yes <input type="checkbox"/> No	
Cores Taken	<input type="checkbox"/> Yes <input type="checkbox"/> No	
Electric Log Run (Submit Copy.)	<input type="checkbox"/> Yes <input type="checkbox"/> No	
List All E.Logs Run:	NO CHANGE	

CASING RECORD <input type="checkbox"/> New <input type="checkbox"/> 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
NO CHANGE							

ADDITIONAL CEMENTING/SQUEEZE RECORD				
Purpose:	Depth Top Bottom	Type of Cement	#Sacks Used	Type and Percent Additives
<input type="checkbox"/> Perforate <input type="checkbox"/> Protect Casing <input checked="" type="checkbox"/> Plug Back TD <input type="checkbox"/> Plug Off Zone	5900	Class C	1 sx	

Shots Per Foot	PERFORATION RECORD - Bridge Plugs Set/Type Specify Footage of Each Interval Perforated		Acid, Fracture, Shot, Cement Squeeze Record (Amount and Kind of Material Used)		Depth
	1 SPF	2650-2665		Acid: 750 gals 7.5% HCL	
	2699-2714		Fract: 676 bbls 20# Crosslink gel		
	2755-2775		138,000 lbs 12/20 Brady Sand		
	CIBP @ 5900				

TUBING RECORD	Size None	Set At	Packer At	Liner Run <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
Date of First, Resumed Production, SWD or Inj. 1-30-96	Producing Method <input checked="" type="checkbox"/> Flowing <input type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other (Explain)				
Estimated Production Per 24 Hours	Oil Bbls.	Gas 255 Mcf	Water Bbls.	Gas-Oil Ratio	Gravity

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

METHOD OF COMPLETION:  Open Hole  Perf.  Dually Comp.  Conmingled  Other (Specify) \_\_\_\_\_

Production Interval: \_\_\_\_\_ 2650 \_\_\_\_\_ 2775 \_\_\_\_\_

STATE CORPORATION COMMISSION OF KANSAS  
OIL & GAS CONSERVATION DIVISION

API NO. 15-189-20854  
County Stevens  
C SW SW Sec 1 32S Rge 35  East  West

WELL COMPLETION OR RECOMPLETION FORM  
ACO-1 WELL HISTORY

DESCRIPTION OF WELL AND LEASE

Operator: License # 5208  
Name Mobil Oil Corporation  
Address P. O. Box 5444  
City/State/Zip Denver, CO 80217-5444

690 Ft North from Southeast Corner of Section  
4800 Ft West from Southeast Corner of Section  
(Note: Locate well in section plat below)

Lease Name Herschel Logan Well # 1  
Field Name North Shuck

Purchaser Permian

Producing Formation Chester

Operator Contact Person D. C. Forbes  
Phone (303) 298-2056

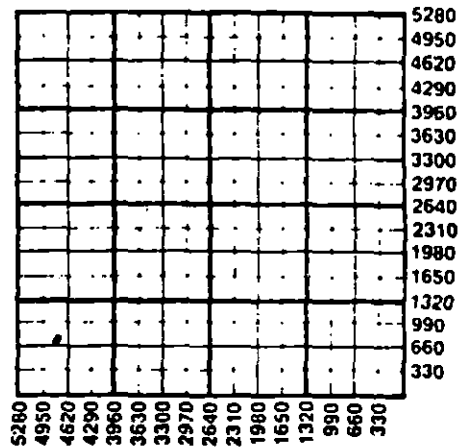
Elevation: Ground 2969' KB 2985'

Contractor: License # 9137  
Name Unit

Wellsite Geologist T. N. Tvrdik  
Phone (303) 298-3689

Designate Type of Completion  
 New Well  Re-Entry  Workover  
 Oil  SWD  Temp Abd  
 Gas  Inj  Delayed Comp.  
 Dry  Other (Core, Water Supply etc.)

Section Plat



If ONWO: old well info as follows:  
Operator  
Well Name  
Comp. Date Old Total Depth

WATER SUPPLY INFORMATION

Disposition of Produced Water:  Disposal  Repressuring  
Docket # *CD-82, 418-C*  
*CC-13, 821*

WELL HISTORY

Drilling Method:  Mud Rotary  Air Rotary  Cable  
6-11-85 6-26-85 7-2-85  
Spud Date Date Reached TD Completion Date  
6340' 6290'  
Total Depth PBTB

Questions on this portion of the ACO-1 call:  
Water Resources Board (913) 296-3717

Source of Water:  
Division of Water Resources Permit # T 85-526  
210' NW of Oil Well  
 Groundwater.....Ft North from Southeast Corner (Well) .....Ft West from Southeast Corner of Sec Twp Rge  East  West  
 Surface Water.....Ft North from Southeast Corner (Stream, pond etc).....Ft West from Southeast Corner Sec Twp Rge  East  West  
 Other (explain)..... (purchased from city, R.W.D. #)

INSTRUCTIONS: This form shall be completed in duplicate and filed with the Kansas Corporation Commission, 200 Colorado Derby Building, Wichita, Kansas 67202, within 90 days after completion or recompletion of any well. Rule 82-3-130 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 drillers time log shall be attached with this form. 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 *Richard E. Dawson* J. E. Dawson

Title Production Accounting Supervisor Date 10/2/85

Subscribed and sworn to before me this 14th day of October 1985

Notary Public *Clara M. Biddle*

Date Commission Expires My Commission expires February 14, 1988

K.C.C. OFFICE USE ONLY

Letter of Confidentiality Attached  
 Wireline Log Received  
 Drillers Timelog Received

Distribution  
 KCC  SWD/Rep  NGPA  
 KGS  Plug  Other (Specify)

SIDE TWO

Operator Name Mobil Oil Corporation Lease Name Herschel Logan Well # 1  
 Sec. 1 Twp. 32S Rge. 35  East  West County Stevens

WELL LOG

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  Yes  No  
 Samples Sent to Geological Survey  Yes  No  
 Cores Taken  Yes  No

Formation Description  
 Log  Sample

Acid/Frac Record:

Fraced formation in the following stages:

15,000 gals gelled diesel pad  
 7,500 gals gelled diesel w/1/2 ppg 20/40 sand  
 5,000 gals gelled diesel w/1 ppg 20/40 sand  
 5,000 gals gelled diesel w/2 ppg 20/40 sand

Core #1:

6102-50

Name	Top	Bottom
Chase	2610	
Winfield	2678	
Council Grove	2919	
Admire	3187	
Wabaunsee	3308	
Shawnee	3727	
Lansing	4224	
Kansas City	4513	
Marmaton	4956	
Cherokee	5160	
Morrow	5583	
Chester	5850	
Ste. Genevieve	6134	
St. Louis	6240	

CASING RECORD <input type="checkbox"/> New <input type="checkbox"/> 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	12-1/4"	9-5/8"	36#	1818'	65/35POZ "H"	600 100	6% gel + 3% CaCl <sub>2</sub> 3% CaCl <sub>2</sub>
Production	8-3/4"	5-1/2"	15.5#	6334'	50/50POZ 65/35POZ	400 100	6% gel + 3% CaCl <sub>2</sub>
PERFORATION RECORD				Acid, Fracture, Shot, Cement Squeeze Record			
Shots Per Foot	Specify Footage of Each Interval Perforated			(Amount and Kind of Material Used)		Depth	
4	6099'-6112'			(see acid/frac record detailed above)			
TUBING RECORD				Liner Run <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No			
Size 2-7/8"		Set At 6130'		Packer at 6037'			
Date of First Production	Producing Method <input type="checkbox"/> Flowing <input type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other (explain).....						
	Oil	Gas	Water	Gas-Oil Ratio	Gravity		
Estimated Production Per 24 Hours	Bbls	Trace			CFPB		

METHOD OF COMPLETION

Production Interval

Disposition of gas:  Vented  Open Hole  Perforation  
 Sold  Other (Specify) ..... 6099'-6112'  
 Used on Lease  Dually Completed  
 Commingled

190 sx 50/50 POZ + 2% CaCl<sub>2</sub>