

WELL COMPLETION FORM

WELL HISTORY - DESCRIPTION OF WELL & LEASE

Operator: License # 5208

Name: Esso Mobil Oil Corp.

Address: P.O. Box 4358

City/State/Zip: Houston TX 77210-4358

Purchaser: \_\_\_\_\_

Operator Contact Person: Amelia G. Garcia

Phone ( 281 ) 654-1914

Contractor Name: Key Energy Services, Inc.

License: 165133

Wellsite Geologist: \_\_\_\_\_

Designate Type of Completion \_\_\_\_\_

New Well  Re-Entry  Workover

Oil  SWD  SIOW  Temp. Abd.

Gas  ENHR  SIGW

Dry  Other (Core, WSW, Expl., Cathodic, etc.)

If Workover/Reentry: Old Well Info as follows:

Operator: Mobil Oil Corporation

Well Name: Jordan Unit #2

Original Comp. Date 7/16/79 Original Total Depth 3100

Deepening  Re-perf.  Conv. to Enhr./SWD

Plug Back  Plug Back Total Depth

Commingled Docket No. \_\_\_\_\_

Dual Completion Docket No. \_\_\_\_\_

Other (SWD or Enhr?) Docket No. \_\_\_\_\_

6/17/08 7/21/08  
Spud Date or Date Reached TD Completion Date or  
Recompletion Date Recompletion Date

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CONSERVATION DIVISION  
WICHITA, KS

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API NO. 15- 189-2045300-001

County Stevens

C-SW Sec. 31 Twp. 32 S. R. 36  E  W

1250 Feet from S (circle one) Line of Section

1250 Feet from E (circle one) Line of Section

Footages Calculated from Nearest Outside Section Corner:

(circle one) NE SE NW SW

Lease Name Jordan Well # 1-2

Field Name Panama/Hugoton

Producing Formation Chase/CG

Elevation: Ground 3080 Kelley Bushing 3088

Total Depth 3100 Plug Back Total Depth 3083

Amount of Surface Pipe Set and Cemented at \_\_\_\_\_ Feet

Multiple Stage Cementing Collar Used?  Yes  No

If yes, show depth set \_\_\_\_\_ Feet

If Alternate II completion, cement circulated from \_\_\_\_\_

feet depth to \_\_\_\_\_ w/ \_\_\_\_\_ sx cmt.

Drilling Fluid Management Plan OWWO-Alt I NUC  
(Data must be collected from the Reserve Pit) 3-10-09

Chloride content \_\_\_\_\_ ppm Fluid volume \_\_\_\_\_ bbls

Dewatering method used \_\_\_\_\_

Location of fluid disposal if hauled offsite: \_\_\_\_\_

Operator Name \_\_\_\_\_

Lease Name \_\_\_\_\_ License No. \_\_\_\_\_

Quarter \_\_\_\_\_ Sec. \_\_\_\_\_ Twp. \_\_\_\_\_ S. R. \_\_\_\_\_  E  W

County \_\_\_\_\_ Docket No. \_\_\_\_\_

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 Amelia Garcia  
Title Contract Regulatory Specialist Date 10/24/08

Subscribed and sworn to before me this 6<sup>th</sup> day of February  
20 09

Notary Public [Signature]

Date Commission Expires \_\_\_\_\_ My Commission Expires 09/27/2009

KCC Office Use ONLY

- Letter of Confidentiality Attached
  - If Denied, Yes  Date: \_\_\_\_\_
  - Wireline Log Received
  - Geologist Report Received
  - UIC Distribution
- Tam A.

Operator Name Esso Mobil Oil Corp.

Lease Name Jordan 1

Well # 1-2  
2

Sec. 31 Twp. 32 S.R. 36  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 all Electric Wireline Logs surveyed. Attach final geological well site report.

Drill Stem Tests Taken (Attach Additional Sheets.)	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	<input type="checkbox"/> Log	Formation (Top), Depth and Datums	<input type="checkbox"/> Sample
Samples Sent to Geological Survey	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Name	Top	Datum
Cores Taken	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	<b>Chase</b>	<b>2615</b>	
Electric Log Run (Submit Copy.)	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	<b>Council Grove</b>	<b>2917</b>	
List All E.Logs Run:				

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	12 1/4"	8 5/8"	24#	614	H Reg	300	12% Gel+3% CACL
Production	7 7/8"	5 1/2"	14#	3100	HOWCO LITE	500	1/4#sx.flocel
					Class H reg	150	18% salt+3/4%

*not in good recd. CFRD*

ADDITIONAL CEMENTING/SQUEEZE RECORD

Purpose	Depth Top Bottom	Type of Cement	#Sacks Used	Type and Percent Additives
Perforate				
Protect Casing				
Plug Back TD				
Plug Off Zone				

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
	SEE ATTACHED		

TUBING RECORD	Size <u>2 3/8"</u>	Set At <u>3015</u>	Packer At	Liner Run <input type="checkbox"/> Yes <input type="checkbox"/> No
Date of First, Resumed Production, SWD or Enhr.	Producing Method			
<b>PENDING</b>	<input 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 Mcf	Water Bbls.	Gas-Oil Ratio Gravity

Disposition of Gas:  Vented  Sold  Used on Lease  Open Hole  Perforation  Dually Comp.  Commingled 2810-2985

(If vented, submit ACO-18.)  Other (Specify) \_\_\_\_\_

*ORIGINAL*

Attachment to Form ACO - 1  
ExxonMobil Oil Corp.  
Jordan 1-2  
API 15-189-2045300  
Stevens County, Kansas

7/12/79:

Intervals Perf'd: 2928 - 2985 2 SPF.

06/20/08:

Intervals Perf'd: 2810-2820 (Upper Ft Riley) 3 SF.

Pumped 500 gal 14% HCL & 15 bbls flush water.

Frac'd: 100,000 lbs 12/20 Brady Sand.

Pumped 569,900 scf N2.

Pumped 554 bbls gelled water.

7/14/08:

Intervals Perf'd: 2770-2780 3 SPF.

Set RBP @2755'.

Dumped 2 sx (8 ft) sand on top.

Intervals Perf'd: 2712-2722 3 SPF.

Intervals Perf'd: 2648-2658 3 SPF.

Intervals Perf'd: 2614-2624 3 SPF.

Intervals Perf'd: 2587-2597 3 SPF

Frac'd: 7000 gals 15% HCL, acid w/120 ball sealers.

Pumped 177,219 scf N2.

Pumped 174 bbls gelled water.

Released RBP's.

2 3/8" tbg @3012'

7/21/08 Completed

7/23/08 RD

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OCT 27 2008

CONSERVATION DIVISION  
WICHITA, KS

**ExxonMobil Production Company**

P.O. Box 4358  
Houston, Texas 77210

February 6, 2009

**ExxonMobil**  
*Production*

Kansas Corporation Commission  
Conservation Division  
Attention: Marjorie Marcotte  
130 S. Market, Room 2078  
Wichita, KS 67202-3802

RE: Your Letter dated 1/08/2008  
API Well No. 15-189-20453-00-01  
JORDAN 1-22  
SW, 31-32S-36W  
STEVENS County, Kansas

Dear Ms. Marcotte:

Please excuse the delay, but we spoke to "Steve" in your office on January 20, 2009 and advised we needed more time to research the information you required. Enclosed is your original letter as instructed and two copies of the ACO-1. Also enclosed are the following documents:

Corrected notarized ACO-1 for completion date 7/21/08.  
We have also corrected items that "Maggie" pointed out via phone conversation. Not all items that were highlighted required corrections as per her phone call. There were no drill stem tests and/or DST's/Charts because they were not pertinent to this completion..

We did not find cementing tickets going back to 1979, before ExxonMobil took over operation of this well. This data is not available. However, we did include some data that might be helpful.

If you still require copies of logs, please advise. Since logs were not pertinent to this completion we are reporting, we did not include them.

Please call if you require any additional information please call at 281-654-1914.

Sincerely,



Amelia G. Garcia  
Contract Regulatory Specialist  
USP -- RSO -- Permitting

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WICHITA, KS

~~Ellis 2-3~~

JORDAN 1-2

NO CEMENTING TICKETS FOUND

SENDING FOLLOWING REPORT

RB Lem  
2/5/09

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WICHITA, KS

JORDAN UT #2  
 3100' Council Grove Test  
 1250' FSL 1250' FWL  
 Approx Center SW/4  
 Sec. 31-32S-36W  
 Panama Field  
 Stevens County, KS  
 Wakefield Drlg. Co.  
 Mobil 100%

*File*

6/21/79

U. Will spud today.

6/22

750', Drlg Rd Bd, native mud. Spud 7:15 AM 6/21/79.  
 Cmt 8-5/8" csg @ 614' w/150 sx Class H reg + 12% gel  
 + 3% CaCl<sub>2</sub> followed by 150 sx Class H reg + 3% CaCl<sub>2</sub>  
 circ cmt. Plug dwn 3:50 PM 6/21/79. WOC 12 hrs.  
 NU BOP & tst pipe & blind rams 500psi for 15 min.  
 Held OK.

6/25

3010'. Drlg 1m. Mud 9.5#/gal, Visc 38, WL 14,  
 6#/bbl LCM. DPR-OK.

6/26

TD 3100'. WOC 5-1/2" csg. Cmt @ 3100' w/500 sx  
 HOWCO lite wt + 1/4#/sx Flocele + 150 sx Class H  
 reg + 18% salt + 3/4% CFR-2. Circ 7bbls to pit.  
 Lost ret. Plgd dwn 6:40 PM 6/26/79. Rel rig  
 7:30 AM 6/26/79. REMOVE FROM REPORT UNTIL COMPLETION  
 STARTS.

JORDAN UT #2  
 3100' Council Grove Test  
 1250' FSL 1250' FWL  
 Approx. Center SW/4  
 Sec. 31-32S-36W  
 Panama Field  
 Stevens County, KS.  
 Wakefield Drlg. Co.  
 Mobil - 100%  
 Spudded: 6/21/79  
 8-5/8" @ 614'

7/12

TD 3100'. PB 3083'. Ran bond log, good bonding  
 through zone, perf A zone (2928'-34'), (2937-44'),  
 (2951-62'), (2970-72'), (2978-80'), (2982-85') OA  
 31', 62 holes. Swb well down w/no show of gas.  
 Prep to acidize & frac. SWION.

7/13

TD 3100'. PB 3083'. Perf A (2928-85') OA 31',  
 62 holes. Acid dwn 5-1/2" csg w/1550 gals 15% HCl  
 + additives + 80 ball sealers. Balled off. BDP  
 1900#. Frac dwn 5-1/2" csg w/62,000 gals wtr +  
 124,000# 20/40 sd + 12-1/2#/1,000 gals WG-G +  
 1 gal/1,000 gals HOWCO suds + additives. Max P  
 1,000#. Min P 650#, ATP 675#, AIR 100 BPM.  
 ISIP 0#, sht 1832 bbbs. REMOVE FROM REPORT UNTIL  
 POTENTIAL IS TAKEN.

8/2

TD 3100'. PB 3083'. Perf A (2928 - 85'),  
 OA 31', 62 holes. SICP 186#, FCP 175#. 3/8"  
 orf FR 522 MCFPD, 1 pt OF 2.3 MMCFPD. S.N. @  
 3008'. Btm of tbq @ 3015'. Comp 7/16/79.  
FINAL REPORT.

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 WICHITA, KS

O: KCC ERN AJM  
 C: KGS PKL File  
 CBS WBH

**KANSAS**

**WELL COMPLETION REPORT AND  
 DRILLER'S LOG**

S. 31 T. 32 R. 36 E  
 W

API No. 15 — 189 — 20,453  
 County Number

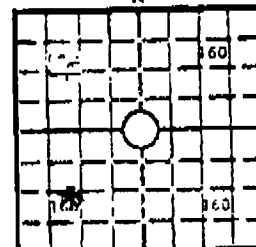
Loc. C SW

County Stevens

Operator Northern Natural Gas Producing Co., Attn: A. J. McCredie

640 Acres  
 N

Address P. O. Box 5444 Denver, Colo 80217



Well No. #2 Lease Name Jordan Unit

Footage Location 1250 feet from 5th line 1250 feet from 1/2 (W) line

Principal Contractor WAKEFIELD DRILG. CO. Geologist P. H. Mitchell

Spud Date 6/21/79 Date Completed 7/16/79 Total Depth 3100 P.B.T.D. 3083

Elev.: Gr. 3080

Directional Deviation Oil and/or Gas Purchaser Northern Natural Gas Co.

DF KB 3088

**CASING RECORD**

Report of all strings set — surface, intermediate, production, etc.

Purpose of string	Size hole drilled	Size casing set (in O.D.)	Weight lbs/ft.	Setting depth	Type cement	Sacks	Type and percent additives
Surface Casing	12 1/2"	8-5/8"	24#	614'	Class H Reg Class H Reg	150 150	12% Gel + 3% CACL2 3% CACL2 Circ. Cmt
Production Casing	7-7/8"	5 1/2"	14#	3100'	HOWCO LITE Class H Reg	500 150	1/4# SX. FLOCELE 18% SALT + 3/4% CFR2

**LINER RECORD**

**PERFORATION RECORD**

Top, ft.	Bottom, ft.	Sacks cement	Shots per ft.	Size & type	Depth Interval
			2	DYNA JET	2928 - 2934
			2	DYNA JET	2937 - 2944
			2	DYNA JET	2951 - 2962
			2	DYNA JET	2970 - 2972
			2	DYNA JET	2978 - 2980
				DYNA JET	2982 - 2985

**TUBING RECORD**

Size	Setting depth	Packer set at
2 3/8"	3015	

**ACID, FRACTURE, SHOT, CEMENT SQUEEZE RECORD**

Amount and kind of material used	Depth interval treated
1550 Gals. HCl + Additives, 62,000 Gal. Wtr. + 124,000 #20/40 SD.	2928 - 2985
+ 12 1/2# 1,000 Gals. WG-6 + 1 Gal./1000 Gals. HOWCO SUDS	

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**INITIAL PRODUCTION**

FEB 09 2009

Date of first production	Producing method (flowing, pumping, gas lift, etc.) Pumping	CONSERVATION DIVISION WICHITA, KS
RATE OF PRODUCTION PER 24 HOURS	Oil -- Gas 1 PT.O.F. 2300 MCF Water -- Gas-oil ratio -- CFPB	
Disposition of gas (vented, used on lease or sold) Shut in awaiting connection	Producing interval (s) 2928 - 2985	

INSTRUCTIONS: As provided in KCC Rule 82-2-125, within 90 days after completion of a well, one completed copy of this Driller's Log shall be transmitted to the State Geological Survey of Kansas, 4150 Monroe Street, Wichita, Kansas 67209. Copies of this form are available from the Conservation Division, State Corporation Commission, 245 No. Water, Wichita, Kansas 67202. Phone AC 316-522-2206. If confidential custody is desired, please note Rule 82-2-125. Driller's Logs will be an open file in the Oil and Gas Division, State Geological Survey of Kansas, Lawrence, Kansas 66044.