

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

ORIGINAL

API NO. 15- 189-208010001
County Stevens
SW - NE - SW Sec. 17 Twp. 33S Rge. 35 E X W

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: Best Well Service

License: _____

Wellsite Geologist: L. J. Reimer

Designate Type of Completion
 New Well Re-Entry X Workover

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

If Workover:

Operator: Mobil Oil Corporation

Well Name: Sandy #1 Unit Well #2

Comp. Date 5-6-85 Old Total Depth 6720

 Deepening X Re-perf. Conv. to Inj/SWD
X Plug Back 2950 PBTB
 Commingled Docket No. _____
 Dual Completion Docket No. _____
 Other (SWD or Inj?) Docket No. _____

1-27-96 *5-13-96
~~Spud Date~~ Date Reached TD Completion Date
Commenced Recompletion

1650 Feet from (S/N (circle one) Line of Section
1650 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 Sandy #1 Unit Well # 2

Field Name Hugoton

Producing Formation Chase

Elevation: Ground 2986 KB 2993

Total Depth 6720 PBTB 2950

Amount of Surface Pipe Set and Cemented at 1747 Feet

Multiple Stage Cementing Collar Used? Yes X 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 OWWO, 9-9-98 v.c.
(Data must be collected from the Reserve Pit)

Chloride content NA ppm Fluid volume NA bbls

Dewatering method used _____

Location of fluid disposal if hauled offsite: _____

Operator Name NA 12-17-96

Lease Name _____ License No. _____

Quarter Sec. Twp. S Rng. 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 Sharon A. Cook Sharon A. Cook

Title Regulatory Asst. Date 12-16-96

Subscribed and sworn to before me this 16th day of December, 19 96.

Notary Public Kathleen R. Poulton

Date Commission Expires August 18, 1998
6-209.kcc

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

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)

Operator Name **JANINGO** Oil Corporation _____ Lease Name Sandy #1 Unit Well # 2
 Sec. 17 Twp. 33S 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
Samples Sent to Geological Survey	<input type="checkbox"/> Yes <input type="checkbox"/> No	Name	Top Datum
Cores Taken	<input type="checkbox"/> Yes <input type="checkbox"/> No	NO CHANGE	
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	2950	Class C	2 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	2700-2720	Acid: 1,000 gals 7.5% HCL 1,000 gals 15% HCL	
	2750-2765	Frac'd: 680 bbls 20# Crosslink gel	
		125,740 lbs 12/20 Brady Sand	

TUBING RECORD Removed tubing and packer	Size Set At	Packer At	Liner Run <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
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Date of First, Resumed Production, SWD or Inj. *4-27-96	Producing Method <input type="checkbox"/> Flowing <input type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other (Explain)
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Estimated Production Per 24 Hours	Oil Bbls.	Gas *83 Mcf	Water Bbls.	Gas-Oil Ratio	Gravity
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Disposition of Gas: Vented Sold Used on Lease (If vented, submit ACO-18.)

METHOD OF COMPLETION: Open Hole Perf. Dually Comp. Commingled 2700

Production Interval: Other (Specify) 2765

STATE CORPORATION COMMISSION OF KANSAS
OIL & GAS CONSERVATION DIVISION

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

Purchaser Northern Natural Gas Company

Operator Contact Person J. E. Dawson
Phone (303) 298-2696

Contractor: License # 9137
Name Unit Drilling & Exploration Co.

Wellsite Geologist Jens Munthe
Phone (303) 298-2294

Designate Type of Completion

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

If OWO: old well info as follows:

Operator
Well Name
Comp. Date Old Total Depth

WELL HISTORY

Drilling Method:

- Mud Rotary
- Air Rotary
- Cable

2-4-85	2-18-85	5-6-85
Spud Date	Date Reached TD	Completion Date
6720'	3140'	
Total Depth	PBTD	

Amount of Surface Pipe Set and Cemented at 1747 feet
Multiple Stage Cementing Collar Used? Yes No
If yes, show depth set.....feet
If alternate 2 completion, cement circulated from.....feet depth to.....w/.....SX cmf

API NO. 15-189-20801
County Stevens
SW NE SW Sec. 17 Twp. 33S Rge. 35 East West

1650 Ft North from Southeast Corner of Section
3630 Ft West from Southeast Corner of Section
(Note: Locate well in section plat below)

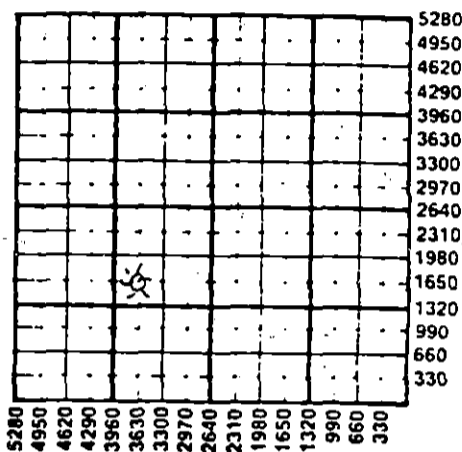
Lease Name Sandy #1 Unit Well # 2

Field Name Panama

Producing Formation Council Grove

Elevation: Ground 2986' KB 3002'

Section Plat



WATER SUPPLY INFORMATION

Disposition of Produced Water: Disposal Repressuring
Docket # CD-3805 CC-19,820

Questions on this portion of the ACO-1 call:

Water Resources Board (913) 296-3717

Source of Water: T84-798
Division of Water Resources Permit #

Groundwater 1650 Ft North from Southeast Corner (Well) 3630 Ft West from Southeast Corner of Sec 17 Twp 33 Rge 35 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. #)

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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 J. E. Dawson

Title Production Accounting Supervisor Date 4.25.86

Subscribed and sworn to before me this 29 day of April 1986

Notary Public Claudia C. Loustek

Date Commission Expires 2-9-88

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)

Sec. Twp. Rge.

ORIGINAL

SIDE TWO

Operator Name Mobil Oil Corporation Lease Name Sandv #1 Unit Well # 2

Sec 17 Twp 33S 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 [X] No
Samples Sent to Geological Survey [X] Yes [] No
Cores Taken [] Yes [X] No

Formation Description [X] Log [] Sample

Acid/Frac Program

Halliburton Frac'd down tbg as follows:

- 4000 gals apollo 30 @ pad
3000 gals apollo 30 w/1 ppg 16/30
3000 gals apollo 30 w/2 ppg 16/30
3000 gals apollo 30 w/3 ppg 16/30
3000 gals apollo 30 w/4 ppg 16/30
3000 gals apollo 30 w/5 ppg 16/30

Table with 3 columns: Name, Top, Bottom. Lists formations like Winfield, Council Grove, Admire, Wabaunsee, Shawnee, Lansing, Kansas City, Marmaton, Cherokee, Morrow, Chester, Ste. Genevieve, St. Louis with their respective depths.

Form containing CASING RECORD, PERFORATION RECORD, TUBING RECORD, and production data tables. Includes fields for Purpose of String, Size Hole, Size Casing, Weight, Setting Depth, Type of Cement, #Sacks Used, Type and Percent Additives, Shots Per Foot, and Estimated Production Per 24 Hours.

METHOD OF COMPLETION

Production Interval

Disposition of gas: [] Vented [X] Sold [] Used on Lease [] Open Hole [X] Perforation [] Other (Specify) 2985-3056 O.A. [] Dually Completed [] Commingled

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ACO-1 WELL HISTORY

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City/State/Zip Denver, CO 80217-5444

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Operator Contact Person J L Douglass
Phone (303) 298-2047

Contractor: License # 9137
Name Unit Drilling & Exploration Co.

Wellsite Geologist Jens Munthe
Phone (303) 298-2294

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

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

WELL HISTORY

Drilling Method:
 Mud Rotary Air Rotary Cable
2-4-85 2-18-85 4-30-85
Spud Date Date Reached TD Completion Date
6720' 3140'
Total Depth PBTD

Amount of Surface Pipe Set and Cemented at 1747 feet
Multiple Stage Cementing Collar Used? Yes No
If yes, show depth set feet
If alternate 2 completion, cement circulated from feet depth to w/SX amt

API NO. 15-189-20,001
County Stevens
SW NE SW Sec. 17 Twp. 33s Rge. 35 East West

1650 Ft North from Southeast Corner of Section
3630 Ft West from Southeast Corner of Section
(Note: Locate well in section plat below)

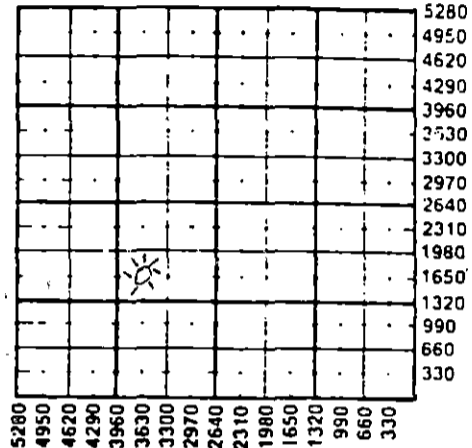
Lease Name Sandy #1 Unit

Field Name Panoma

Producing Formation Council Grove

Elevation: Ground 2986' KB 3002'

Section Plat



WATER SUPPLY INFORMATION

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Docket # LD-3805
CC-19,820

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

Source of Water:
Division of Water Resources Permit # T84798'

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(Well) 3660 Ft West from Southeast Corner of
Sec 17 Twp 33 Rge 35 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. #)

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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 J. E. Dawson
Title Producing Accounting Supervisor Date

Subscribed and sworn to before me this 22nd day of May 1988
Notary Public
Date Commission Expires

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)

JAN 1968

SIDE TWO

Operator Name Mobil Oil Corporation Lease Name Sandy #1 UT Well # 2

Sec. 17 Twp. 33s Rge. 35 East West County STEVEN

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.

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Cores Taken [] Yes [X] No

Formation Description [X] Log [] Sample

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Table with 3 columns: Name, Top, Bottom. Lists formations like Winfield, Council Grove, Admire, Wabaunsee, Shawnee, Lansing, Kansas City, Marmaton, Cherokee, Morrow, Chester, Ste. Genevieve, St. Louis with their respective depths.

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

Table with 8 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 data for Surface and Production strings.

PERFORATION RECORD
Shots Per Foot Specify Footage of Each Interval Perforated
Acid, Fracture, Shot, Cement Squeeze Record (Amount and Kind of Material Used) Depth

Table with 3 columns: Shots Per Foot, Specify Footage of Each Interval Perforated, Acid, Fracture, Shot, Cement Squeeze Record. Includes data for interval 3050'-3056'.

TUBING RECORD Size 2 7/8" Set At 5966' Packer at 5935'
Liner Run [] Yes [X] No

Date of First Production Producing Method [] Flowing [] Pumping [] Gas Lift [] Other (explain)

Table with 5 columns: Oil, Gas, Water, Gas-Oil Ratio, Gravity. Includes Estimated Production Per 24 Hours.

METHOD OF COMPLETION Production Interval

Disposition of gas: [] Vented [] Sold [] Used on Lease [] Open Hole [X] Perforation [] Other (Specify) 3050'-3056'
[] Dually Completed [] Commingled

RECEIVED COOP 06/07 17 A 12:48