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KANSAS CORPORATION COMMISSION

MAY 2 8 2003

CONSERVATION DIVISION
WICHITA, KS

Form ACO-1
September 1999
Form Must Be Typed

KANSAS CORPORATION COMMISSION
OIL & GAS CONSERVATION DIVISION

WELL COMPLETION FORM

WELL HISTORY - DESCRIPTION OF WELL & LEASE

ORIGINAL

Operator: License # 5208
Name: Exxon Mobil Oil Corporation *
Address: P. O. Box 4358
City/State/Zip: Houston, TX 77210-4358
Purchaser:
Operator Contact Person: Beverly Roppolo
Phone: (713) 431-1701
Contractor: Name: Key Energey
License: N. A.
Wellsite Geologist: N. A.
Designate Type of Completion:
___ New Well ___ Re-Entry ✓ Workover (Add Perfs & ReFrac)
___ Oil ___ SWD ___ SIOW ___ Temp. Abd.
✓ Gas ___ ENHR ___ SIGW
___ Dry ___ Other (Core, WSW, Expl., Cathodic, etc)
If Workover/Re-entry: Old Well Info as follows:
Operator: Mobil Oil Corporation
Well Name: E. DAVIS #1 UNIT, WELL #2
Original Comp. Date: 7-30-97 Original Total Depth: 3006
___ 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.

12-10-99	7-17-97	12-18-99
Spud Date or Recompletion Date	Date Reached TD	Completion Date or Recompletion Date

API No. 15 - 189-22173-000
County: Stevens
SW-NE-NE Sec. 15 Twp. 34 S. R. 36 ☐ East ☑ West
1250 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:
(circle one) (NE) SE NW SW
Lease Name: E. DAVIS #1 UNIT Well #: 2
Field Name: Hugoton
Producing Formation: Chase
Elevation: Ground: 3049 Kelly Bushing: 3059
Total Depth: 3006 Plug Back Total Depth: 2954
Amount of Surface Pipe Set and Cemented at 763 Feet
Multiple Stage Cementing Collar Used? ☐ Yes ☑ No
If yes, show depth set N. A. Feet
If Alternate II completion, cement circulated from N. A.
feet depth to N. A. w/ N. A. sx cmt.

Drilling Fluid Management Plan
(Data must be collected from the Reserve Pit) OWWO KJR 1-18-08
Chloride content N. A. ppm Fluid volume N. A. bbls
Dewatering method used
Location of fluid disposal if hauled offsite:
Operator Name:
Lease Name: License No.:
Quarter Sec. Twp. S. R. ☐ East ☐ West
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 of 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: Beverly Roppolo
Title: Contract Completions Adm Date: 5/21/03
Subscribed and sworn to before me this 21 day of May, 2003
Notary Public: Kim Lynch
Date Commission Expires: Aug. 26, 2006

KIM LYNCH
NOTARY PUBLIC, STATE OF TEXAS
MY COMMISSION EXPIRES
AUG. 26, 2006

KCC Office Use ONLY
___ Letter of Confidentiality Attached
If Denied, Yes ☐ Date:
___ Wireline Log Received
___ Geologist Report Received
___ UIC Distribution

Side Two

Operator Name: Exxon Mobil Oil Corporation * Lease Name: E. DAVIS #1 UNIT Well #: 2

Sec. 15 Twp. 34 S. R. 36 ☐ East ☑ West County: Stevens

ORIGINAL

INSTRUCTIONS: Show important tops and base of formations penetrated. Detail all cores. Report all final copies of drill stems 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 test, along with final chart(s). 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)*	☐ Yes	☑ No
Samples Sent to Geological Survey	☐ Yes	☑ No
Cores Taken	☐ Yes	☑ No
Electric Log Run *(Submit Copy)*	☐ Yes	☑ No

List All E. Logs Run:

☐ Log Formation (Top), Depth and Datum ☐ Sample

Name	Top	Datum
U. KRIDER	2684'	2690'
L. KRIDER	2736'	2746'
WINFIELD	2780'	2790'
TOWANDA	2840'	2850'

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	12.250	8.625	24#	763	CLASS C	425	50:50 c/poz
PRODUCTION	7.875	5.500	14#	2996	CLASS C	220, 100	3%D79,2% B28

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
4 spf	2652' - 2790	FRAC'D WELL W/ 950,000 scf OF	
		80Q N2 foam @ plus/minus 80 BPM	

TUBING RECORD Size Set At Packer At Liner Run ☐ Yes ☑ No

Date of First, Resumed Production, SWD or Enhr. Producing Method ☐ Flowing ☐ Pumping ☐ Gas Lift ☐ Other *(Explain)*

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

Disposition of Gas METHOD OF COMPLETION Production Interval

☐ Vented ☑ Sold ☐ Used on Lease *(If vented, Sumit ACO-18.)*

☐ Open Hole ☑ Perf. ☐ Dually Comp. ☐ Commingled

☐ Other *(Specify)*

ORIGINAL

Schlumberger
Dowell

Stimulation Service Report

Customer	Job Number
MOBIL DRILLING V390500757A	20136720

Well	Location (legal)	Dowell Location	Job Start
DAVIS E #1 UNIT 2	15, 34S, 36W	Ulysses, KS	12/14/1999

Field	Formation Name/Type	Deviation	BitSize:	Well MD	Well TVD
HUGOTON	Chase	0 °	0 in	2,954 ft	2,954 ft

County	State/Province	BHP	BHST	BHCT	Pore Pres Gradient
Stevens	KS	0 psi	100 °F	90 °F	0 psi/ft

Rig Name	Drilled For	Service Via
Key Energy	Gas	Land

Offshore Zone	Well Class	Well Type
	New	Development

Primary Treating Fluid	Polymer Loading	Fluid Density
80Q Foam	20 lb/1000gal	lb/gal

Service Line	Job Type
Fracturing	Frac,N2Foam/Energized

Max. Allowed Tubing Pressure	Max. Allowed Ann. Pressure	WellHead Connection
2500 psi	0 psi	5 1/2 X 4 Swage

Service Instructions

Safely deliver & perform Foam Frac with materials & equipment listed on the Service Receipt. Per clients instructions.
3 miles on equipment & 42 on transports.

Casing

Depth, ft	Size, in	Weight, lb/ft	Grade	Thread
2954	5.5	14		
0	0	0		

Tubing

Depth,	Size, in	Weight, lb/ft	Grade	Thread
0	0	0		
0	0	0		

Perforated Intervals

Top, ft	Bottom, ft	spf	No. of Shots	Total Interval
2652	2856	0	0	204 ft
0	0	0	0	Diameter
0	0	0	0	0 in

Treat Down	Displacement	Packer Type	Packer Depth
Casing	64.7 bbl	None	0 ft

Job Scheduled For:	Arrived on Location:	Leave Location:	Tubing Vol.	CasingVol.	AnnularVol.	OpenHoleVol
	12/14/1999 9:30	12/14/1999 13:30	0 bbl	72 bbl	0 bbl	0 bbl

Time (24 hr clock)	BH Foam Q (%)	BHInj Rate (bpm)	Liquid Add 1 (gal/min)	Total Flowrate (bpm)	Total N2 Rate (ft3/min)	Total Volume (bbl)	Treating Psi (psi)		Message
11:55	0	0	0	0	0	0	0	0	START ACQUISITION
11:55	0.	0.	0.008	0.	0.	0.	302.2	0	
11:56	0.	0.261	0.008	0.261	0.	0.059	2092	0	
11:57	0.	0.	0.008	0.	0.	0.162	2853	0	
11:58	0.	0.	0.008	0.	0.	0.162	2775	0	
11:59	0.	0.	0.008	0.	0.	0.162	242.7	0	
12:00	0.	0.	0.008	0.	0.	0.162	45.79	0	
12:01	0.	8.08	2.48	8.08	0.	6.52	320.5	0	
12:02	0.	7.95	2.47	7.95	0.	14.65	764.7	0	
12:03	0.	14.46	2.63	14.46	0.	24.27	1117	0	
12:04	0.	16.28	3.78	16.28	0.	40.23	1726	0	
12:05	0.	16.15	3.8	16.15	0.	56.57	1717	0	
12:06	0.	16.15	3.8	16.15	0.	72.78	1635	0	
12:07	0.	16.15	3.8	16.15	0.	72.78	1635	0	Start N2 tach rates
12:07	0.	16.15	3.8	16.15	0.	72.78	1635	0	[Total N2 Rate]=F[Total N2 Rate 2]
12:07	69.11	51.87	3.79	16.02	15200	88.93	1712	0	
12:08	69.17	51.97	3.82	16.02	15244	105.1	1722	0	
12:09	69.09	52.26	3.81	16.15	15308	121.3	1685	0	
12:10	69.25	52.52	3.82	16.15	15422	137.5	1694	0	
12:11	69.22	52.48	3.82	16.15	15404	153.7	1625	0	
12:12	69.51	52.55	3.72	16.02	15486	169.9	1690	0	
12:13	69.34	52.69	3.73	16.15	15492	186.1	1708	0	
12:14	69.34	52.68	3.71	16.15	15486	202.3	1680	0	
12:15	69.35	52.7	3.72	16.15	15498	218.5	1712	0	
12:16	69.58	52.67	3.72	16.02	15538	234.7	1703	0	
12:17	69.57	52.65	3.72	16.02	15532	250.9	1625	0	
12:18	69.4	52.78	3.73	16.15	15532	267.1	1690	0	
12:19	69.4	52.78	3.73	16.15	15532	283.3	1644	0	

Well	Field	Service Date	Customer	Job Number
DAVIS E #1 UNIT #2	HUGOTON		MOBIL DRILLING V39050075	20136720

Time (24 hr clock)	BH Foam Q (%)	BHInj Rate (bpm)	Liquid Add 1 (gal/mio)	Total Flowrate (bpm)	Total N2 Rate (ft3/min)	Total Volume (bbl)	Treating Pal (psi)		Message
12:20	69.4	52.79	3.74	16.15	15534	299.5	1616	0	
12:21	69.41	52.79	3.73	16.15	15536	315.7	1685	0	
12:22	69.34	52.68	3.81	16.15	15488	331.8	1607	0	
12:23	69.42	52.81	4.11	16.15	15544	348.	1603	0	
12:24	69.7	52.87	4.1	16.02	15624	364.2	1621	0	
12:25	69.69	52.86	4.11	16.02	15620	380.4	1667	0	
12:26	68.87	51.89	3.91	16.15	15154	396.7	1571	0	
12:27	68.82	51.81	3.91	16.15	15118	412.9	1625	0	
12:28	68.82	51.8	3.91	16.15	15116	429.1	1630	0	
12:29	68.83	51.81	3.91	16.15	15120	445.3	1616	0	
12:30	68.82	51.8	3.91	16.15	15116	461.5	1639	0	
12:31	68.75	51.68	3.91	16.15	15064	477.8	1639	0	
12:32	68.82	51.8	3.91	16.15	15116	494.	1630	0	
12:33	68.82	51.81	3.91	16.15	15118	510.2	1548	0	
12:34	68.82	51.8	3.92	16.15	15116	526.5	1534	0	
12:35	68.83	51.81	3.92	16.15	15120	542.8	1442	0	
12:36	100.	35.67	0.008	0.	15122	550.2	1264	0	
12:37	0.	0.	0.008	0.	0.	550.2	1158	0	

ORIGINAL

Post Job Summary

Average Injection Rates, bpm

Fluid	N2	CO2	Maximum Rate
16	0	0	16

Volume of Fluid Injected, bbl

Clean Fluid	Acid	Oil	CO2	N2 (scf)
550	0	0	0	950000

Treating Pressure Summary, psi

Breakdown	Maximum	Final	Average	ISIP	15 Min. ISIP
0	1813	1295	1700	1185	0

Quantity of & placed, lb

Total Injected	Total Ordered/Designed
0	0

N2 Percent	CO2 Percent	Designed Fluid Volume	Displacement	Slurry Volume	Pad Volume	Percent Pad
80 %	0 %	100000 gal	0 bbl	550 bbl	0 gal	0 %

Customer or Authorized Representative	Dowell Supervisor	Number of Stages	Fracture Gradient	
John Rice	Dave Brawley	1	0 psi/ft	☑ Job Completed ☐ Screen Out