

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

Operator: License # 9855

Name: Grand Mesa Operating Company

Address 200 E. First St., Ste 307

Wichita, KS 67202

City/State/Zip _____

Purchaser: _____

Operator Contact Person: Ronald N. Sinclair

Phone (316) 265-3000

Contractor: Name: Duke Drilling Co., Inc.

License: 5929

Wellsite Geologist: Larry Friend

Designate Type of Completion
 New Well Re-Entry Workover

Oil SWD SIGW Temp. Abd.
 Gas ENMR SIGW
 Dry Other (Core, MSW, Expl., Cathodic, etc)

If Workover/Re-Entry: old well info as follows:

Operator: _____

Well Name: _____

Comp. Date _____ Old Total Depth _____

Deepening Re-perf. Conv. to Inj/SWD
 Plug Back PSTD
 Casinghead Docket No. _____
 Dual Completion Docket No. _____
 Other (SWD or Inj?) Docket No. _____

6/1/93 6/8/93 6/8/93
Spud Date Date TD Completion Date

API NO. 15- 135-23755

County Ness

C - SW - SW - Sec. 17 Twp. 17S Rge. 24 E

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

660 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 Elmore Well # 3

Field Name Wildcat

Producing Formation None

Elevation: Ground 2413' KB 2422'

Total Depth 4460' PSTD _____

Amount of Surface Pipe Set and Counted at 360 Feet

Multiple Stage Counting Collar Used? Yes No

If yes, show depth set _____ Feet

If Alternate II completion, cement circulated from _____

feet depth to _____ w/ _____ ex cur.

Drilling Fluid Management Plan
(Data must be collected from the Reserve Pit)

Chloride content 2,000 ppm Fluid volume 500 bbls

Conserving method used Evaporation

Location of fluid disposal if hauled offsite: _____

Operator Name _____

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, 200 Colorado Derby Building, Wichita, Kansas 67202, within 120 days of the spud date, recompletion, workover or conversion of a well. Rule 82-3-150, 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 CERAMIC 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: Ronald N. Sinclair
Name: RONALD N. SINCLAIR
Title: PRESIDENT
Date: 6/14/93

Witnessed and returned to before me this 14th day of June

Signature: Mary F. Combs
Name: Mary F. Combs
Title: Notary Public
Date: 8-25-96



E.C.C. OFFICE USE ONLY
F Letter of Confidentiality Attached
C Wireline Log Received
C Geologist Report Received
Distribution
ECC SWD/Rep NSPA
EGS Plug Other (Specify)

SIDE TWO

Operator Name Grand Mesa Operating Company Lease Name Elmore Well # 3

Sec. 17 Twp. 17S Rge. 24
 East
 West

County Ness

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 sheets if more space is needed. Attach copy of log.

Drill Stem Tests Taken Yes No
 (Attach Additional Sheets.)
 Samples Sent to Geological Survey Yes No
 Cores Taken Yes No
 Electric Log Run Yes No
 (Submit Copy.)
 List All E. Logs Run:

R A Guard Log
 Borehole Compensated Sonic

Name	Formation (Top), Depth and Datum		Sample	
	Sample Tops	Top Datum	Log Tops	Datum
Anhydrite	1699	+723	1697	+ 723
BS. Anby.	1728	+694	1726	+ 694
Heebner	3744	-1322	3746	-1324
Lansing	3787	-1365	3789	-1367
Bs. KC	4076	-1654	4080	-1656
Pt. Scott	4287	-1865	4292	-1871
Bs. Penn La	4357	-1935	4360	-1933
Mississippian	4408	-1986	4412	-1990

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 1/2"	8 5/8"	23#	360'	60/40 Poz	200Sx	2% Gel 3% CC

ADDITIONAL CEMENTING/SQUEEZE RECORD

Purpose:	Depth		Type of Cement	#Sacks Used	Type and Percent Additives
	Top	Bottom			
<input type="checkbox"/> Perforate					
<input type="checkbox"/> Protect Casing					
<input type="checkbox"/> Plug Back TD					
<input type="checkbox"/> Plug Off Zone					

Shots Per Foot	PERFORATION RECORD - Bridge Plugs Set/Type		Acid, Fracture, Shot, Cement Squeeze Record	
	Specify Footage of Each Interval Perforated		(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. Producing Method Flowing Pumping Gas Lift Other (Explain)

Estimated Production Per 24 Hours Oil Ebls. Gas Mcf Water Ebls. 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. Commingled
 Other (Specify) _____

Production Interval _____

#3
NW Sec. 17-17S-24W
County, Kansas
and Mesa Operating Company
2

MPLE TOPS #3 ELMORE

COMPARISION WELLS
Walters, 1 Stiawalt Walters 2 Elmore
C-NW-NW Sec 20 C-SE-SW. Sec17

hydrite	1699	+723	-2	+5
. Anhy.	1728	+694	-3	+3
ebner	3744	-1322	-4	-1
nsing	3787	-1365	-5	+1
. KC	4076	-1654	-3	+1
. Scott	4287	-1865	-6	+4
. Penn Lm	4357	-1935	-6	+2
ssissippiian	4408	-1986		

LOG TOPS #3 ELMORE

COMPARISION WELLS
Walters, 1 Stiawalt Walters 2 Elmore
C-NW-NW Sec 20 C-SE-SW. Sec17

ydrite	1697	+ 725
Anhy.	1726	+ 696
bner	3746	-1324
sing	3789	-1367
KC	4080	-1660
Scott	4292	-1870
Penn Lm	4360	-1938
issippiian	4412	-1990

To: MIKE CLANCH

From: LARRY FRIEND

#3 Elmore, Grand Mesa Oper Co.

C-SW-SW, 17-17-24W, 2422KB

Shallow tops:

Blaine Anby: 1065

Stone Corral Anby: 1697

BS. Anby drite: 1726

CHASE: 2450

Towanda: 2582

BS. Florence: 2709

Wreston 2767

Neva 2963

Fordster 3064

Wabounee 3191

Stoller 3297

Topeka 3467

Heebner 3746

Lansing 3789

BKC 4080

Ft. Scott 4292

BPL 4360

Miss 4412

COMPANY REMARKS

WRS COMPLETION REPORT

PI# 15-T-0003 06/30/93 SEC 17 TWP 17S RGE 24W PAGE 1

KANS NESS * 660FSL 660FWL SEC C SW SW
 STATE COUNTY FOOTAGE SPOT
 GRAND MESA OPERATING D D
 OPERATOR WELL CLASS INIT FIN
 3 ELMORE
 WELL NO. LEASE NAME
 2422KB 2413GR KEILMAN N
 OPER ELEV FIELD/POOL/AREA
 API 15-135-23755-0000
 LEASE NO. PERMIT OR WELL I.D. NO.
 06/01/1993 06/08/1993 ROTARY D&A
 SPUD DATE COMP. DATE TYPE TOOL HOLE TYPE STATUS
 4500 CHEROKEE NOT RPTD Duke Drilling Co., Inc.
 PROJ. DEPTH PROJ. FORM CONTRACTOR
 DTD 4460 4464 FM/TD MISS
 DRILLERS T.D. LOG T.D. PLUG BACK TO OLD T.D. FORM T.D.

LOCATION DESCRIPTION

10 MI NW NESS CITY, KS

WELL IDENTIFICATION/CHANGES

ELEV CHGD FROM 2411 GR

CASING/LINER DATA

CSG 8 5/8 @ 360 W/ 200 SACKS

TYPE	FORMATION	LTH	TOP	DEPTH/SUB	BSE	DEPTH/SUB
LOG	STN CORL AN		1697	725	1726	696
LOG	HEEBNER		3746	-1324		
LOG	LANSING		3789	-1367		
LOG	KANSAS C		4080	-1660	4080	-1658
LOG	FT SCOTT		4292	-1870		
LOG	PNNSYLVN LS		4360	-1930	4360	-1938
LOG	MISS		4412	-1990		

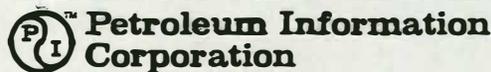
SUBSEA MEASUREMENTS FROM KB

FORMATION TEST DATA

DST 1 4261- 4300 MARMATON
 REC 10.0 FT MUD
 INIT OP 30M IFP 19 FFP 19
 FINAL OP 30M IFP 19 FFP 19
 ISIP 19 30M FSIP 19 30M
 WK BLOW DIED/8 MIN (1ST OPEN)
 No Blow (2nd OPEN)

CONTINUED

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PI-WRS-GE Form No 18

CONFIRMING COMPLETION

CONFIRMED BY RIS 7/19/93

Name

Date

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GRAND MESA OPERATING D D
3 ELMORE

LOGS AND SURVEYS /INTERVAL, TYPE/

LOGS GRDL BHCS

MISCELLANEOUS

GEOL LARRY FRIEND

DRILLING PROGRESS DETAILS

GRAND MESA OPERATING
200 E FIRST ST STE 307
WICHITA, KS 67202
316-265-3000
05/17 LOC/1993/
TD REACHED 06/08/93 RIG REL 06/08/93
06/29 4460 TD
COMP 6/8/93, D&A
NO CORES, ONE DST

WELL PROGNOSIS

GRAND MESA OPERATING COMPANY
ELMORE #3
Section 17 T-17S R-24W
660' FSL + 660' FWL
Ness County, Kansas

Proposed Spud Date: June 3, 1993
Contractor: Duke Drilling
Elevation: GL 2413' Est., KB 2422' Est.
Proposed TD: 4500'
Surface Casing: 8 5/8" @ 350'
~~Production Casing:~~ Alternate II: DV tool set @ 1550'
Samples: (Wet and dry) 10' samples from 3700' to TD
Drilling Time: 1' drill time from 1675' to 1750'
1' drill time from 3500' to TD
Gas Detector: None
Coring: None
Drill Stem Tests: 2
Wireline Logs: Yes
Wellsite Geologist: Larry Friend (H)
Alternate: Steve Stribling (O)
Call Depth: 4000'
Stop Depth: 4260'
Mud Program: MSI
Rig Phone: (913) 47 tone 2620 for Pusher
(913) 47 tone 2621 for Rig

ESTIMATED FORMATION TOPS

Stone Corral	1700
B/Stone Corral	1727
Heebner	3740
Lansing	3785
B/KC	4075
Marmaton	4120
Fort Scott	4275
B/Penn. Lm.	4345
Cherokee Sd.	4350
Mississippian	4450

4902-1980