

KANSAS CORPORATION COMMISSION
OIL & GAS CONSERVATION DIVISION

Form ACO-1
September 1999
Form Must Be Typed

CONFIDENTIAL

WELL COMPLETION FORM

WELL HISTORY - DESCRIPTION OF WELL & LEASE

ORIGINAL

Operator: License # 9855
Name: Grand Mesa Operating Company
Address: 200 E. First St., Ste 307
City/State/Zip: Wichita, KS 67202
Purchaser: NCRA
Operator Contact Person: Ronald N. Sinclair
Phone: (316) 265-3000
Contractor: Name: Murfin Drilling Co., Inc.
License: 30606
Wellsite Geologist: Pat Deenihan

Designate Type of Completion:
☒ New Well ☐ Re-Entry ☐ Workover
☒ Oil ☐ SWD ☐ SLOW ☐ Temp. Abd.
☐ Gas ☐ ENHR ☐ SIGW
☐ Dry ☐ Other (Core, WSW, Expl., Cathodic, etc)

If Workover/Re-entry: Old Well Info as follows:

Operator: _____
Well Name: _____
Original Comp. Date: _____ Original Total Depth: _____
☐ 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. _____

2/17/04 2/25/04 2/25/04
Spud Date or Date Reached TD Completion Date or
Recompletion Date Recompletion Date

API No. 15 - 195-22246-00-00
County: Trego
60' N 1/4 S/2 S/2 Sec. 29 Twp. 15 S. R. 22 ☐ East ☒ West
720 feet from (S) N (circle one) Line of Section
2640 feet from E (W) (circle one) Line of Section
Footages Calculated from Nearest Outside Section Corner:
(circle one) NE SE NW SW
Lease Name: NLT Well #: 1-29
Field Name: Wildcat

Producing Formation: Cherokee Sand
Elevation: Ground: 2307' Kelly Bushing: 2312'
Total Depth: 4410' Plug Back Total Depth: _____
Amount of Surface Pipe Set and Cemented at 5 jts @ 236 Feet
Multiple Stage Cementing Collar Used? ☒ Yes ☐ No
If yes, show depth set DV tool set @ 1669 Feet
If Alternate II completion, cement circulated from _____
feet depth to Surface w/ 200 sx cmt.

Drilling Fluid Management Plan
(Data must be collected from the Reserve Pit)
Chloride content 23,000 ppm Fluid volume 780 bbls
Dewatering method used Evaporation
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: Ronald N. Sinclair
Title: President Date: 3/31/04

Subscribed and sworn to before me this 31st day of March

20 04
Notary Public: Phyllis E. Brewer
Date Commission Expires: July 21, 2007

PHYLIS E. BREWER
Notary Public - State of Kansas
My Appt. Expires 7-21-07

KCC Office Use ONLY

Yes Letter of Confidentiality Attached
If Denied, Yes ☐ Date: _____
☐ Wireline Log Received
☐ Geologist Report Received
☐ UIC Distribution

CONFIDENTIAL

KCC
MAR 31 2004

ORIGINAL

Operator Name: Grand Mesa Operating Company **CONFIDENTIAL** Lease Name: NLT Well #: 1-29
 Sec. 29 Twp. 15 S. R. 22 ☐ East ☒ West County: Trego

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 ☒ 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:

Compensated Density/ Neutron PE,
Dual Induction/Sonic

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

Name	Top	Datum
Stone Corral	1656	+ 656
Heebner	3675	-1363
Lansing	3713	-1401
B/KC	3997	-1685
Ft. Scott	4168	-1856
Cherokee Sd	4250	-1938
Mississippian	4305	-1993
Gilmore City	4358	-2046

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"	23#	236'	Common	160SX	2%Gel; 3%CC
Production	7 7/8"	5 1/2"	14#	4403'	EA-2	150SX	

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	0-1669	SMDC	200SX	1/4# Flocele/SX

X Protect Fresh Water

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	4256-62		

TUBING RECORD	Size 2 7/8"	Set At 4366'	Packer At	Liner Run ☐ Yes ☐ No
Date of First, Resumerd Production, SWD or Enhr. 3/13/04	Producing Method ☐ Flowing ☒ Pumping ☐ Gas Lift ☐ Other (Explain)			
Estimated Production Per 24 Hours	Oil Bbls. 52	Gas Mcf	Water Bbls. 8	Gas-Oil Ratio 40

Disposition of Gas METHOD OF COMPLETION

Production Interval 4256-62

☐ Vented ☐ Solid ☐ Used on Lease
 (If vented, Submit ACO-18.)

☐ Open Hole ☒ Perf. ☐ Dually Comp. ☐ Commingled
☐ Other (Specify)

DATE	02-18-04	SEC	29	TWP.	15S	RANGE	28W	CALLED OUT	8:00/AM	ON LOCATION	10:45/PM	JOB START	2:40/PM	JOB FINISH	3:00/PM
LEASE	NLT	WELL #	1-29	LOCATION	K-4 +147 40 2w'12N					COUNTY	TREGO	STATE	KS		
OLD OR NEW (Circle one)						2 1/2 W NW									

CONTRACTOR	MURFIN DCLC #24
TYPE OF JOB	SURFACE JOB
HOLE SIZE	12 1/4" T.D. 236'
CASING SIZE	8 5/8" DEPTH 236'
TUBING SIZE	DEPTH
DRILL PIPE	DEPTH
TOOL	DEPTH
PRES. MAX	2000# MINIMUM 1500#
MEAS. LINE	SHOE JOINT
CEMENT LEFT IN CSG.	20'
PERFS.	
DISPLACEMENT	13 3/4

EQUIPMENT

PUMP TRUCK	CEMENTER	BUD
# 181	HELPER	BURR
BULK TRUCK		
# 342	DRIVER	STEVE T.
BULK TRUCK		
#	DRIVER	

CEMENT	
AMOUNT ORDERED	1600# Common 3% CC 2% GA

COMMON	1600#	@	7.15	1144.00
POZMIX		@		
GEL	30#	@	10.00	30.00
CHLORIDE	SAL	@	30.00	150.00
		@		
		@		
		@		
		@		
		@		
HANDLING	1600#	@	1.15	193.20
MILEAGE	168.2405	30		252.00

RECEIVED
APR 01 2004
TOTAL 1769.20

KCC WICHITA SERVICE

REMARKS:

RAN 236 FT 8 5/8" CSG DRILL
CIRCULATION WITH RIS
MIXED 1600# COMMON 3% CC 2%
CEL DISPLACED 216' 13 3/4 BBS
CEMENT CIRCULATED

DEPTH OF JOB	236'
PUMP TRUCK CHARGE	520.00
EXTRA FOOTAGE	@
MILEAGE	30 @ 3.50 105.00
PLUG	1-Top 8 5/8" Union @ 45.00 45.00
	@
	@

TOTAL 670.00

CHARGE TO:	GRAND MESA OPERATIONS CO
STREET	200 E 1st St Suite 307
CITY	WICHITA
STATE	KS
ZIP	67202

FLOAT EQUIPMENT

	@	
	@	
	@	
	@	
	@	

TOTAL

To Allied Cementing Co., Inc.
You are hereby requested to rent cementing equipment and furnish cementer and helper to assist owner or contractor to do work as is listed. The above work was done to satisfaction and supervision of owner agent or contractor. I have read & understand the "TERMS AND CONDITIONS" listed on the reverse side.

SIGNATURE		Anthony Martin
		PRINTED NAME

TAX
TOTAL CHARGE
DISCOUNT IF PAID IN 30 DAYS



CHARGE TO:	GRAND MESA
ADDRESS	
CITY, STATE, ZIP CODE	

RECEIVED
APR 01 2004
KCC WICHITA

TICKET
No 6418

PAGE 1 OF 2

ORIGINAL

SERVICE LOCATIONS NESS CITY, KS	WELL/PROJECT NO. 1-29	LEASE NLT	COUNTY/PARISH REGO	STATE KS	CITY	DATE 2-25-04	OWNER SAME
TICKET TYPE ☒ SERVICE ☐ SALES	CONTRACTOR MURPHY DELG #24	RIG NAME/NO.	SHIPPED VIA CT	DELIVERED TO LOCATION	ORDER NO.		
WELL TYPE OR	WELL CATEGORY DEVELOPMENT	JOB PURPOSE 5 1/2" 2-STAGE LONGSTRETCH	WELL PERMIT NO.	WELL LOCATION BROWNELL, KS - 4W, 3NW TO LOC			
REFERRAL LOCATION	INVOICE INSTRUCTIONS						

PRICE REFERENCE	SECONDARY REFERENCE/ PART NUMBER	ACCOUNTING			DESCRIPTION					UNIT PRICE	AMOUNT
		LOC	ACCT	DF		QTY.	U/M	QTY.	U/M		
575		1			MILEAGE #104	30	MT			2.50	75.00
579		1			PUMP SERVICE 2-STAGE	1	JOB	4410	FT	1500.00	1500.00
221		1			LIQUID KCL	4	GAL			19.00	76.00
281		1			MUDFLUSH	500	GAL			.60	300.00
407		1			DISSET FLOAT SHADE W/ FOLLO	1	EA	5 1/2	"	230.00	230.00
402		1			CEMENTALIZERS	10	EA			44.00	440.00
403		1			CEMENT BASKETS	3	EA			125.00	375.00
406		1			LATCH DOWN PLUG - BAFFLE DU	1	EA			200.00	200.00
408		1			D.V. TOOL - PLUG SET TOP #64	1	EA	1681	FT	2150.00	2150.00
413		1			ROTO WALL SCRATCHERS	10	EA			30.00	300.00
193		1			ROTATING HEAD	1	JOB			150.00	150.00

KCC
MAR 31 2004
CONFIDENTIAL

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LEGAL TERMS: Customer hereby acknowledges and agrees to the terms and conditions on the reverse side hereof which include, but are not limited to, PAYMENT, RELEASE, INDEMNITY, and LIMITED WARRANTY provisions.

MUST BE SIGNED BY CUSTOMER OR CUSTOMER'S AGENT PRIOR TO START OF WORK OR DELIVERY OF GOODS

DAYS SIGNED
2-24-04
TIME SIGNED
2300
A.M.
P.M.

REMIT PAYMENT TO:

SWIFT SERVICES, INC.
P.O. BOX 466
NESS CITY, KS 67560
785-798-2300

SURVEY	AGREE	UN-DECIDED	DIS-AGREE	PAGE TOTAL #1	5796.00
OUR EQUIPMENT PERFORMED WITHOUT BREAKDOWN?					
WE UNDERSTOOD AND MET YOUR NEEDS?					
OUR SERVICE WAS PERFORMED WITHOUT DELAY?				#2	4543.72
WE OPERATED THE EQUIPMENT AND PERFORMED JOB CALCULATIONS SATISFACTORILY?				TAX	10,339.72 421.90
ARE YOU SATISFIED WITH OUR SERVICE? ☐ YES ☐ NO				TOTAL	10,761.62
☐ CUSTOMER DID NOT WISH TO RESPOND					

CUSTOMER ACCEPTANCE OF MATERIALS AND SERVICES The customer hereby acknowledges receipt of the materials and services listed on this ticket.

SWIFT OPERATOR
WAVE WASON
APPROVAL

Thank You!



TICKET
No. 6418

CUSTOMER
GRAND MESA

WELL
NLT 1-29

DATE 2-25-04

PAGE	OF
2	2

[illegible]**CONTINUATION TOTAL**

4543.72

CONFIDENTIAL

[illegible]