

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

API NO. 15- 135-24,106-0000

County Ness

50'S of SE - NW - SE Sec. 18 Twp. 17S Rge. 24W X V

1600 Feet from (S) Line of Section

1650 Feet from (E) Line of Section

Footages Calculated from Nearest Outside Section Corner:  
NE, (SE) NW or SW (circle one)

Lease Name Humphrey Well # 3-18

Field Name Dickman

Producing Formation Mississippian

Elevation: Ground 2397 KB 2405

Total Depth 4370 PBD

Amount of Surface Pipe Set and Cemented at 232.90 Feet

Multiphase Stage Cementing Collar Used? X Yes      No     

If     , show depth set 1644 Feet

If Alternate II completion, cement circulated from 1644

feet depth to Surface w/ 190 sx cmt.

Drilling Fluid Management Plan Alt 2 KGR 8/23/01  
(Data must be collected from the Reserve Pit)

Chloride content 17,000 ppm Fluid volume 400 bbls

Dewatering 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.     

Operator: License # 9855

Name: GRAND MESA OPERATING CO.

Address 200 E First St., Suite 307

City/State/Zip Wichita, KS 67202

Purchaser:     

Operator Contact Person: Larry Friend

Phone ( 316 ) 265-3000

Contractor: Name: Discovery Drilling Co.,

License: 31548

Wellsite Geologist: Larry Friend

Designate Type of Completion

X New Well      Re-Entry      Workover

X Oil      SWD      S10W      Temp. Abd.

     Gas      EHHR      SIGW

     Dry      Other (Core, WSW, 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      PBD

     Commingled      Docket No.     

     Dual Completion      Docket No.     

     Other (SWD or Inj?)      Docket No.     

9/9/00 9/16/00 9/17/00  
Spud Date Date Reached TD Completion Date

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 82-3-130, 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 *Ronald N. Sinclair*  
RONALD N. SINCLAIR

Title President Date 10/17/00

Subscribed and sworn to before me this 17th day of October, 2000.

Notary Public *Mary F. Combs*

Date Commission Expires: 8/25/2004 (973)

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)

MARY F. COMBS  
Notary Public-State of Kansas  
My Appt. Exp. 8/25/2004

JANUARY

SIDE TWO

Operator Name GRAND MESA OPERATING CO.

Lease Name Humphrey

Well # 3-18

Sec. 18 Twp. 17S Rge. 24W

East

County Ness

West

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  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:

Radiation Guard Log  
w/Self Potential and Caliper

Log Formation (Top), Depth and Datum  Sample

Name	Top	Datum
Anhydrite	1663	+ 742
Bs. Anhydrite	1693	+ 712
Heebner	3706	-1301
Lansing	3747	-1342
Bs Kansas City	4045	-1640
Ft. Scott	4254	-1839
Miss. Dolomite	4359	-1954

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 Pipe	12 1/4	8 5/8	20	232.90	60/40Poz	150	2%Gel&3%CC
Production St.	7 7/8	5 1/2	14	4360	60/40Poz	125	2%Gel&10%Salt
			DV@1644		SMDC	190	1/4#FC/sk

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 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 2 7/8" Set At 4358KB Packer At \_\_\_\_\_ Liner Run  Yes  No

Date of First, Resumed Production, SWD or Inj. 10-01-00 Producing Method  Flowing  Pumping  Gas Lift  Other (Explain)

Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio	Gravity
	29	0	105		37°

Disposition of Gas:

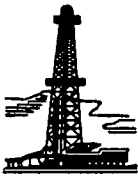
Vented  Sold  Used on Lease  
(If vented, submit ACO-18.)

METHOD OF COMPLETION

Open Hole  Perf.  Duely Comp.  Commingled  
 Other (Specify) \_\_\_\_\_

Production Interval

4360-4370



# Discovery Drilling

P.O. Box 763 • Hays, KS 67601 • OFFICE (913) 623-2920 • CELLULAR (913) 635-1511

# ORIGINAL

RECEIVED  
STATE CORPORATION COMMISSION

OCT 18 2000

CONSERVATION DIVISION  
Wichita, Kansas

## DRILLER'S LOG

Operator: **Grand Mesa Operating Co.**  
200 E First St., Suite 307  
Wichita, KS 67202

Contractor: **Discovery Drilling Co., Inc.**  
P.O. Box 763  
Hays, KS 67601

Lease: Humphrey #3-18

Location: 50'S of SE/NW/SE  
Sec. 18/17S/24W  
Ness Co., KS

Loggers Total Depth: 4369'

Rotary Total Depth: 4370'

Commenced: 9/9/00

Casing: 8 5/8" @ 232.90' w/ 150sks

5 1/2" @ 4360' w/125 sks

DV @ 1644' w/190 sks

Elevation: 2397' Gr/2405' KB

Completed: 9/17/00

Status: Oil Well

## DEPTHS & FORMATIONS

(All from KB)

Surface, Sand & Shale	0'	Shales	1693'
Dakota Sand	711'	Shales & Lime	1961'
Shale	891'	Shales	2141'
Cedar Hill Sand	1131'	Shales & Lime	2595'
Red Bed Shale	1392'	Lime & Shale	3866'
Anhydrite	1662'	RTD	4370'
Base Anhydrite	1693'		

STATE OF KANSAS )  
) ss  
COUNTY OF ELLIS )

Thomas H. Alm of Discovery Drilling states that to the best of his knowledge the above and foregoing is a true and correct log of the above captioned well.

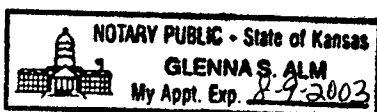
\_\_\_\_\_  
Thomas H. Alm

Subscribed and sworn to before me on 9-19-00

My Commission expires: 8-9-2003

(Place stamp or seal below)

\_\_\_\_\_  
Notary Public



# ALLIED CEMENTING CO., INC. 4110

Federal Tax I.D.# [REDACTED]

REMIT TO P.O. BOX 31  
RUSSELL, KANSAS 67665

SERVICE POINT  
Original  
Ness City

DATE <u>9-9-00</u>	SEC. <u>18</u>	TWP. <u>17</u>	RANGE <u>24</u>	CALLED OUT <u>5:30pm</u>	ON LOCATION <u>7:30pm</u>	JOB START <u>8:40pm</u>	JOB FINISH <u>9:00pm</u>
LEASE <u>Ness City</u>		WELL # <u>3-18</u>	LOCATION <u>Ness City SW 8N 1/2W 24N</u>		COUNTY <u>Ness</u>	STATE <u>KS</u>	
OLD OR <u>NEW</u> (Circle one)							

CONTRACTOR Discovery Only #1

TYPE OF JOB Surface

HOLE SIZE 12 1/4 T.D. 234

CASING SIZE 8 5/8 DEPTH 232

TUBING SIZE \_\_\_\_\_ DEPTH \_\_\_\_\_

DRILL PIPE \_\_\_\_\_ DEPTH \_\_\_\_\_

TOOL \_\_\_\_\_ DEPTH \_\_\_\_\_

PRES. MAX \_\_\_\_\_ MINIMUM \_\_\_\_\_

MEAS. LINE \_\_\_\_\_ SHOE JOINT \_\_\_\_\_

CEMENT LEFT IN CSG. 15

PERFS. \_\_\_\_\_

DISPLACEMENT \_\_\_\_\_

OWNER Same

CEMENT AMOUNT ORDERED 150sx 6 3/4 3%cc 2 1/2 gal

COMMON	<u>90</u>	@	<u>6.35</u>	<u>571.50</u>
POZMIX	<u>60</u>	@	<u>3.25</u>	<u>195.00</u>
GEL	<u>3</u>	@	<u>9.50</u>	<u>28.50</u>
CHLORIDE	<u>5</u>	@	<u>28.00</u>	<u>140.00</u>
		@		
		@		
		@		
		@		
		@		
HANDLING	<u>158</u>	@	<u>1.05</u>	<u>165.90</u>
MILEAGE	<u>14</u>		<u>Min</u>	<u>100.00</u>

TOTAL \$ 1200.90

**EQUIPMENT**

PUMP TRUCK # 224 CEMENTER J. Weighous HELPER \_\_\_\_\_

BULK TRUCK # 222 DRIVER A. Terry D.

BULK TRUCK # \_\_\_\_\_ DRIVER \_\_\_\_\_

**REMARKS:**

**SERVICE**

core 8 5/8 cas, w/ing pump,  
min 150sx 6 3/4 3%cc 2 1/2 gal, Disp  
14 BBL. Plug down pm  
ceint deal core

Thanks

DEPTH OF JOB 232

PUMP TRUCK CHARGE 470.00

EXTRA FOOTAGE @ \_\_\_\_\_

MILEAGE 14 @ 3.00 42.00

PLUG 2 cup wood @ 45.00 45.00

@ \_\_\_\_\_

@ \_\_\_\_\_

TOTAL \$ 557.00

CHARGE TO Grand Mesa Oper. Co.

STREET 200 E. First ST. Suite 307

CITY Wichita STATE KS ZIP 67202

**FLOAT EQUIPMENT**

@ \_\_\_\_\_

@ \_\_\_\_\_

@ \_\_\_\_\_

@ \_\_\_\_\_

@ \_\_\_\_\_

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.

TOTAL \_\_\_\_\_

TAX - 0 -

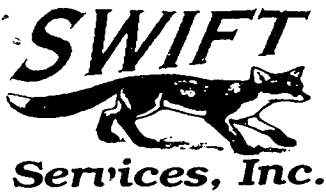
TOTAL CHARGE \$1 1757.90

DISCOUNT \$175.79 IF PAID IN 30 DAYS

SIGNATURE Syl Rome

**PRINTED NAME**

Net \$ 1582.11



CHARGE TO: *Grand Mesa*

ADDRESS

CITY, STATE, ZIP CODE

TICKET No 3124

PAGE 1 OF 2

SERVICE LOCATIONS 1. <i>Ness City Ks</i>	WELL/PROJECT NO. <i>3-18</i>	LEASE <i>Humphrey</i>	COUNTY/PARISH <i>Ness</i>	STATE <i>Ks</i>	CITY	DATE <i>9-17-00</i>	OWNER <i>Same</i>
2.	TICKET TYPE <input checked="" type="checkbox"/> SERVICE <input type="checkbox"/> SALES	CONTRACTOR	RIG NAME/NO. <i>Discovery</i>	SHIPPED VIA <i>105</i>	DELIVERED TO <i>N.W. Ness</i>	ORDER NO.	
3.	WELL TYPE <i>oil</i>	WELL CATEGORY <i>Development</i>	JOB PURPOSE <i>Longstring</i>	WELL PERMIT NO.	WELL LOCATION		
4.	REFERRAL LOCATION	INVOICE INSTRUCTIONS					

PRICE REFERENCE	SECONDARY REFERENCE/ PART NUMBER	ACCOUNTING			DESCRIPTION	QTY.	U/M	QTY.	U/M	UNIT PRICE	AMOUNT
		LOC	ACCT	DF							
		1			MILEAGE <i>105</i>	<i>10</i>	<i>mi</i>			<i>2.50</i>	<i>25.00</i>
<i>579</i>		1			<i>Pump Charge</i>	<i>1</i>	<i>EA</i>				<i>1500.00</i>
<i>405</i>					<i>Formation PKR 5 hole</i>	<i>1</i>	<i>EA</i>	<i>5 1/2 IN</i>			<i>1250.00</i>
<i>408</i>					<i>D-V + Plug Set</i>	<i>1</i>	<i>EA</i>				<i>2000.00</i>
<i>403</i>					<i>Cement Baskets</i>	<i>2</i>	<i>EA</i>			<i>110.00</i>	<i>220.00</i>
<i>402</i>					<i>Centralizers</i>	<i>6</i>	<i>EA</i>			<i>40.00</i>	<i>240.00</i>
<i>281</i>					<i>Mud Filter</i>	<i>500</i>	<i>Gal</i>			<i>50</i>	<i>250.00</i>
<i>221</i>					<i>Sequid KCC</i>	<i>4</i>	<i>Gal</i>			<i>19.00</i>	<i>76.00</i>
					<i>From Continuation sheet</i>						<i>3456.8</i>

**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

X *Larry Fernald*

DATE SIGNED *9-17-00* TIME SIGNED *9-17-00*

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
OUR EQUIPMENT PERFORMED WITHOUT BREAKDOWN?			
WE UNDERSTOOD AND MET YOUR NEEDS?			
OUR SERVICE WAS PERFORMED WITHOUT DELAY?			
WE OPERATED THE EQUIPMENT AND PERFORMED JOB CALCULATIONS SATISFACTORILY?			
ARE YOU SATISFIED WITH OUR SERVICE?	<input type="checkbox"/> YES <input type="checkbox"/> NO		
<input type="checkbox"/> CUSTOMER DID NOT WISH TO RESPOND			

PAGE TOTAL *8907.8*

TAX *324.8*

TOTAL *9232.64*

ORIGINAL

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

SWIFT OPERATOR  
*Larry*

APPROVAL

Thank You



PO Box 466  
Ness City, KS 67560  
Off: 785-798-2300

TICKET CONTINUATION

TICKET No. 3124

CUSTOMER *Shand Moss* WELL *Humphrey 3-18* DATE *9-17-00* PAGE *2* OF *2*

PRICE REFERENCE	SECONDARY REFERENCE/ PART NUMBER	ACCOUNTING			TIME	DESCRIPTION	QTY.		UNIT PRICE	AMOUNT	
		LOC	ACCT	DF			QTY.	U/M		QTY.	U/M
326						60/40	125	SKS	5.20	650	00
330						5M D	190	SKS	9.50	1805	00
276						Flocculo	80	LBS	1.90	72	00
290						D-AIR	100	LBS	2.75	275	00
283						Salt	600	LBS	2.15	90	00
285						CFR-2	50	LBS	2.75	137	50
581						SERVICE CHARGE					
								CUBIC FEET	315	1.00	315.00
583						MILEAGE CHARGE					
						TOTAL WEIGHT	29948				
						LOADED MILES	10				
						TON MILES		149.74	.75	112	3

ORIGINAL

CONTINUATION TOTAL 3456.8

