FORM HOST BE TITED	SIVE URE
STATE CORPORATION COMMIS A OF KANSAS	API NO. 15- 135-24,106-0000
OIL & GAS CONSERVATION DIVISION	Ness
WELL COMPLETION FORM, ACO-1 WELL HISTORY	county Ness
DESCRIPTION OF WELL AND LEASE	
Operator: License # _9855	1600 Feet from S/N (circle one) Line of Section
Name: GRAND MESA OPERATING CO.	1650 Feet from (E) W (circle one) Line of Section
Address 200 E First St., Suite 307	Footages—Calculated—from Nearest-Outside Section Corner:
city/State/Zip Wichita, KS 67202	Lease Name Humphrey Well # 3-18
Purchaser:	Field Name Dickman
	Producing Formation Mississippian
Operator Contact Person: Larry Friend	Elevation: Ground 2397 KB 2405
Phone (316) 265-3000	Total Depth 4370 PBTD
Contractor: Name: Discovery Drilling Co., Inc.	Amount of Surface Pipe Set and Comented at 232.90 Feet
License: 31548	
Wellsite Geologist: Larry Friend	If yes, show depth set 1644 Feet
Designate Type of CompletionX New Well Re-Entry Workover	1644
<u>.</u> :	
X OilSWDSIOWTemp. Abd.	feet depth to Surface w/ 190 sx cmt.
Dry Other (Core, WSW, Expl., Cathodic, etc	c) Drilling Fluid Management Plan (Data must be collected from the Reserve Pit)
If Workover/Re-Entry: old well info as follows:	
Operator:	Chloride content 17,000 ppm Fluid volume 400 bbls
Well Name:	Dewatering method used Evaporation
Comp. Date Old Total Depth	Location of fluid disposal if hauled offsite:
Despening	Operator Name
Commingled Docket No	Lease NameLicense No
Other (SWD or In]?) Docket No.	Quarter Sec. Twp. S Rng. E/W
9/9/00 9/16/00 9/17/00	
Spud Date Date Reached TD Completion Date	County Docket No
Derby Building, Wichita, Kansas 67202, within 120 days   Rule 82-3-130, 82-3-106 and 82-3-107 apply. Information o   12 months if requested in writing and submitted with the months). One copy of all wireline logs and geologist well	ell be filed with the Kansas Corporation Commission, 200 Colorado of the spud date, recompletion, workover or conversion of a well, on side two of this form will be held confidential for a period of the form (see rule 82-3-107 for confidentiality in excess of 12 treport shall be attached with this form. ALL CEMENTING TICKETS wells. Submit CP-111 form with all temporarily abandoned wells.
All requirements of the statutes, rules and regulations promute and the statements herein are complete and porrect to	ulgated to regulate the oil and gas industry have been fully complied the best of my knowledge.
The white the	
RONALD N SINCLAIR	K.C.C. OFFICE USE ONLY
	FLetter of Confidentiality Attached   Letter of Confidentiality Attached   Lette
Subscribed and sworn to before me this 17th day of 0c	tober . Geologist Report Received
20 <u>00.</u>	Distribution  KCCSVD/RepNGPA
Notary Public That The Control of th	KGS Plug Other (Specify)
Date Commission Expires 8/25/2004	(specify)

MARY F. COMBS Notary Public-State of Kansas My Appt. Exp. <u>825</u>3004

Date Commission Expires \_

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IMSTRUCTIONS: Show in interval tested, time hydrostatic pressures,	mportant tops tool open an bottom hole t	d closed, flowing emperature, fluid re	and shut-in pre	ssures, whet	her shut-in pro	SSUPE PER	ched static lev
If more space is needs  Drill Stem Tests Taker  {Attach Additional	1	py of log.	X Log	Formatio	on (Top), Depth	and Datums	Sample
Samples Sent to Geolog	•	X Yes X No	Anhydr	ito	тор 16	63	<b>Datum</b> + 742
Cores Taken		☐ Yes ☒ No		hydrite	16	93	+ 712
Electric Log Run (Submit Copy.)		₩ Yes □ No	Heebne Lansin Rs Kan			06 47 45	-1301 -1342 -1640
List All E.Logs Run:			Ft. Sc	ott	42	54 59	-1839 -1954
Radiation Gua w/Self Potent		Caliper	) M155.	Dolomit	7.0	33	1334
	Report al	CASING RECORD	انا بسير نظا		production, et	c.	
Purpose of String	Size Hole Drilled	Size Casing Set (in O.D.)	Weight   Lbs./Ft.	Setting Depth	Type of Cement	# Sacks Used	Type and Perce Additives
Surface Pipe	12 <del>1</del>	8 5/8	20	232.90	60/40Poz	150	2%Gel&3%C0
Production St.	7 7/8	5 <u>1</u>	14	4360	60/40Poz	125	2%Gel&10%S
			DV@1644		SMDC	190	1/4#FC/sk
		ADDITIONA	L CEMENTING/SQUI	EZE RECORD			
Purpose:	Depth Top Bottom	Type of Cement	#Sacks Used		Type and Percer	nt Additive	\$
Protect Casing- Plug Back TD Plug Off Zone					· ·		
Shots Per Foot		RECORD - Bridge Pi e of Each Interval	- "	:	Fracture, Shot, nd Kind of Hater	•	ueeze Record Depth
TUBING RECORD	Size 2 7/8"	set At 4358KB	Packer At	Liner Run	□ <sub>Yes</sub> ⊠	No	
10-01-0		SWD or Inj.   Prod	ucing Method	lowing X Pu	umping Gas L	ift Oot	her (Explain)
Estimated Production Per 24 Hours	oil   29 -	Bble.   Gee   0	Hof Wate	or Bbls.	Gas-Oil	Ratio	Gravity 37°
Disposition of Gas:		ME	THOO OF COMPLET	t ow		T .	roduction Inter

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

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

Lease: Humphrey #3-18

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

Contractor: Discovery Drilling Co., Inc.

P.O. Box 763 Hays, KS 67601

Location: 50'S of SE/NW/SE

Sec. 18/17S/24W Ness Co., KS

Elevation: 2397' Gr/2405' KB

Completed: 9/17/00 Status: Oil Well

### **DEPTHS & FORMATIONS** (All from KB)

Surface, Sand & Shale		, <b>0'</b>	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.

Subscribed and sworn to before me on

(Place stamp or seal below)

My Commission expires:

NOTARY PUBLIC - State of Kansas



#### **OPERATING COMPANY**

(316) 265-3000 FAX: (316) 265-3455 307 FARMERS AND BANKERS BUILDING 200 EAST FIRST STREET WICHITA, KANSAS 67202

#### COMPLETION REPORT

Well Name:

#3-18 Humphrey

Location:

50' S. SE/NW/SE 18-17S-24W

County:

Ness County, Kansas

Well Data:

RTD 4370 LTD 4369

Zero: KB = 2405 (8' AGL)

Prod. Csg: 5 1/2' 14# Set @ 4360' KB

Tubing: 141 Jts 2 7/8"

Rods: 172 3/4"

Pump: 2" x 1 1/2" x 12

9/23/00 Move in Fritzler workover rig, bring over 127 tested 2 7/8" tubing joints from Tilley lease and 14 tested joints from rack. Go in with bit, collars and touch DV tool.

9/25/00 Golden B Drilling commenced drilling DV tool at 9:00 A.M. - took 4 hours. Run to bottom plug, drilled down to packer shoe, packer shoe drilling slow.

9/26/00 Finished drilling bottom packer shoe @ 9:30 A.M.

Touched bottom at 4373.79 KB, 10 feet of open hole.

Circulated 5 minutes on bottom, then move up into casing - finished circulating - total of 1 1/2 hours.

Displaced mud with Miss. Water during circulation.

Recovered much cement and metal cuttings, cleaning up at end. Come out of hole, change over, run sand pump a dozen times recovering 1 to 2 qts large to fine chunks rock sluff and metal cuttings.

9/27/00 Run sand pump one time, only handful of cuttings and sluff. Go in with tubing string as follows:

Mud anchor & perf. sub	17.81
Seating nipple	1.10
2 jts tubing	64.61
Tubing anchor	2.70
Tubing	4258.16

Tubing subs KB - stretch

16.00

Set @

4364.38 KB measured

Touched bottom, pulled up 12 feet, set 2 feet above open hole.

Set tubing anchor 2 jts up from seating nipple. Run in with swab, found fluid at 100 feet from surface. Total load = 96.73 bbls Started swabbing at 11:45 A.M. making 5 runs/hour. At 3:00 P.M. had swabbed 96.28 bbls fluid, load back. Last 3 swab runs 30%, 40%, 48% oil @ 1.16 bbls/swab run or 5.8 BFPH. Wait 30 minutes swab 2.32 bbls with 69% oil cut. Spot 250 gals 15% mud acid on bottom. Fluid level at 1800 feet from surface equal to 1110 # hydrostatic or 60# over formation bottom hole pressure. Formation would not take acid. Increased fluid level to 800 feet from surface equal to 1550# hydro static. Formation would still not take acid. Let soak overnight.

9/28/00

Fluid level @ 1700' from surface, formation took 900 feet of fluid including all of acid. Started swabbing at 8:00 A.M.. Total load to recover 79 bbls. Rec. 84.1 bbls fluid by 11:30 A.M. with oil cut averaging 17% on last 4 pulls. Recovering approx 500 feet of fluid on each pull. Swabbed 2 more hours with 4 pulls per hour as below:

11:30 - 12:30: Swabbed 10.44 bbls with 17% oil cut.
12:30 - 1:30: Swabbed 10.44 bbls with 21% oil cut.
Total fluid recovered = 105 bbls. Run in with 2" x
1 1/2" x 12' pump and 172 3/4" rods. 71 good used rods came from Tilley lease and went on bottom of string.



Neither well pounding.

## OPERATING COMPANY

(316) 265-3000 FAX: (316) 265-3455 307 FARMERS AND BANKERS BUILDING 200 EAST FIRST STREET WICHITA, KANSAS 67202

# COMPLETION REPORT CONTINUED

Well Name Location: County:	:	#3-18 H 50' S. Ness Co	SE/NW/S	SE 18-	17S-24W	
9-29-00	Waiti	ng on s	urface	equip	ment	
9-30-00	Waiti	ng on s	urface	equip	ment	
10-1-00	Barre	l test BF	1	0	0 1 3	
Humphrey	3-18	134		ó	Oil 22%	BO 29.48
10-2-00	Barre	l test BF	٦.	0	0 1 1	
Humphrey		128	}	ö	Oil 7%	BO 8.96
Humphrey	3-18	140	)		16%	22.40
10-9-00	Barre	l test BE	7	0	0:1	
Humphrey	2-18	120		ő	Oil 7%	BO 8.40
Humphrey	3-18	134	ļ		13%	17.42
10-3-00 10-4-00		Oil to			37.48 31.65	
10-5-00	Total	Oil to	Stock		31.63	
10-6-00 10-7-00		Oil to			29.98	
10-8-00	,	Oil to			27.53 28.29	
10-9-00		Oil to			26.19	
10-10-00	Total	Oil to	) SLOCK		26.67	

10-13-00 10-14-00 10-15-00 10-16-00 10-17-00 10-18-00 10-19-00	Total Oil to Total Oil to Total Oil to Total Oil to Total Oil to Total Oil to Shot fluid	o Stock o Stock o Stock o Stock o Stock	2	24.11 27.57 23.33 22.91 22.48 21.66	
Humph	rey 3-18	118 jts <u>x 31</u> 3658 ar		ıid	
Humph	rey 2-18	$ \begin{array}{c} 135 \text{ jts} \\ \underline{x \ 31} \\ 4216 \end{array} $		ıid	
10-20-00	Barrel test			23.31	
Humphrey 2 Humphrey 3	BF -18 11.8 -18 137		% Oil 5% 12%		BO 5.90 16.44
	-18 Changed e from 10.75		om 7" to	9 <b>"</b> Chai	nged
10-21-00 10-22-00 10-23-00	Total Oil t Barrel test	o Stock	0.017	33.34 35.43	7.0
Humphrey 2 Humphrey 3	BF -18 118 -18 176		% Oil 5% 12%		BO 5.90 21.12
10-23-00 10-24-00 10-25-00	Total Oil t Total Oil t Total Oil t Barrel test	o Stock o Stock	% Oil	30.26 29.93 25.77	P. O
Humphrey 3	BF -18 169		10%		B.O. 16.90
10-26-00 10-27-00 10-28-00 10-29-00	Total Oil t Total Oil t Total Oil t Total Oil t	o Stock o Stock		22.32 25.82 21.63 20.80	

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10-30-00	Tota	al Oil to Sto	ock 22.44	
	Barı	rel Test		
		BF	% Oil	B.O.
Humphrey	2-18	118	5%	5,90
Humphrey	3-18	163	88	13.04
Hump	hrey 3	3-18 pounding	g fluid on top	
10-31-00	Tota	al Oil to Sto	ock 22.45	

FINAL REPORT