

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

Operator: License # 9262

Name: Lowry Exploration

Address P.O. Box 1847

City/State/Zip Liberal, KS 67905

Purchaser: Anadarko

Operator Contact Person: Ned Lowry

Phone (316) 624-8141

Contractor: Name: Murfin Drilling Company, Inc.

License: 30606

Wellsite Geologist: \_\_\_\_\_

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: \_\_\_\_\_

Comp. Date \_\_\_\_\_ Old Total Depth \_\_\_\_\_

Deepening  Re-perf.  Conv. to Inj/SWD  
 Plug Back  PBTD  
 Commingled Docket No. \_\_\_\_\_  
 Dual Completion Docket No. \_\_\_\_\_  
 Other (SWD or Inj?) Docket No. \_\_\_\_\_

1/10/97 1/14/97 1/15/97  
Spud Date Date Reached TD Completion Date

API NO. 15- 189-221120000

County Stevens

SE - NW - NW Sec. 23 Twp. 33S Rge. 38  W <sup>E</sup>

3952 Feet from  N (circle one) Line of Section

4030 Feet from  W (circle one) Line of Section

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

Lease Name #0-2 Dunne Hoffman Well # \_\_\_\_\_

Field Name Hugoton

Producing Formation Chase

Elevation: Ground 3130 KB 11

Total Depth 3100 PBTD 3096

Amount of Surface Pipe Set and Cemented at 777 Feet

Multiple Stage Cementing Collar Used?  Yes  No

If yes, show depth set \_\_\_\_\_ Feet

If Alternate II completion, cement circulated from \_\_\_\_\_

feet depth to \_\_\_\_\_ w/ \_\_\_\_\_ sx cmt.

Drilling Fluid Management Plan ALT 1 97 8-27-97  
(Data must be collected from the Reserve Pit)

Chloride content 4400 ppm Fluid volume 1000 bbls

Dewatering method used evaporation

Location of fluid disposal if hauled offsite: \_\_\_\_\_

Operator Name \_\_\_\_\_ N/A

Lease Name \_\_\_\_\_ License No. \_\_\_\_\_

\_\_\_\_\_ Quarter Sec. \_\_\_\_\_ Twp. \_\_\_\_\_ S Rng. \_\_\_\_\_ E/W

County \_\_\_\_\_ Docket No. \_\_\_\_\_

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4-3-1997

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 Ned E Lowry

Title President Date 4/02/97

Subscribed and sworn to before me this 2<sup>nd</sup> day of April 1997.

Notary Public Catherine Harper

Date Commission Expires \_\_\_\_\_

NOTARY PUBLIC -- State of Kansas  
CATHERINE HARPER  
My Appt. Exp. 3-23-99

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)

Operator name Lowry Exploration

Lease Name #0-2 Dunne Hoffman Well # \_\_\_\_\_

Sec. 23 Twp. 33S Rge. 38  
 East  
 West

County Stevens

**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 (Attach Additional Sheets.)	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	<input checked="" type="checkbox"/> Log Formation (Top), Depth and Datums	<input type="checkbox"/> Sample	
Samples Sent to Geological Survey	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	Name	Top	Datum
Cores Taken	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	U. Krider	2538	
Electric Log Run (Submit Copy.)	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	L. Krider	2572	
			Winfield	2622	
			Towanda	2682	
			Ft. Riley	2736	

List All E.Logs Run:  
 Comp. Neutron-Litho Density  
 Microlog-Gamma Ray  
 Bond Log

CASING RECORD <u>  </u> New <u>  </u> 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"	24#	777'	Prem + 3% cc Lead MidCon 2	100 160	3% CaCl <sub>2</sub>
Long-string	7 7/8	5 1/2	14#	3086'	Prem+lite Prem +	300 160	

ADDITIONAL CEMENTING/SQUEEZE RECORD				
Purpose: _ Perforate _ Protect Csg _ Plug Back TD _ Plug Off Zone	Depth Top/Btm	Type of Cement	# Sacks Used	Type and Percent Additives

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
	7 holes	U. Krider	2538-42		
14 holes	L. Krider	2572-90	acidize 2000 gal	7 1/2% FE	
8 holes	Winfield	2622-2638			
10 holes	Towanda	2682-2708			
3 holes	Ft./Riley	2736-48	fraced/ 320000# 10-20 sand & 80000 gal 20# Delta frac		

TUBING RECORD	Size	Set At	Packer At	Liner Run	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
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Date of First, Resumed Production, SWD or Inj.	2/20/97	Producing Method	<input checked="" type="checkbox"/> Flowing <input type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other
Estimated Production Per 24 Hours	Oil Bbls	Gas 598 Mcf	Water 0 Bbls. 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.  Other (Specify) \_\_\_\_\_

Production Interval Chase: 2538-2748

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 APR - 3 1997

HALLIBURTON

# JOB SUMMARY

HALLIBURTON DIVISION

MIDCONTINENT

HALLIBURTON LOCATION

LIBERAL, MS

BILLED ON TICKET NO

107446

WELL DATA  
SEC. 23 TWP. 33S RNG. 38W COUNTY STEVENS STATE MS

FORMATION NAME \_\_\_\_\_ TYPE \_\_\_\_\_  
 INFORMATION THICKNESS \_\_\_\_\_ FROM \_\_\_\_\_ TO \_\_\_\_\_  
 INITIAL PROD: OIL \_\_\_\_\_ BPD. WATER \_\_\_\_\_ BPD. GAS \_\_\_\_\_ MCFD  
 PRESENT PROD: OIL \_\_\_\_\_ BPD. WATER \_\_\_\_\_ BPD. GAS \_\_\_\_\_ MCFD  
 COMPLETION DATE \_\_\_\_\_ MUD TYPE \_\_\_\_\_ MUD WT. \_\_\_\_\_  
 PACKER TYPE \_\_\_\_\_ SET AT \_\_\_\_\_  
 BOTTOM HOLE TEMP. \_\_\_\_\_ PRESSURE \_\_\_\_\_  
 MISC. DATA \_\_\_\_\_ TOTAL DEPTH 3100

	NEW USED	WEIGHT	SIZE	FROM	TO	MAXIMUM PSI ALLOWABLE
CASING	N		5 7/8	H.B.	3084	
LINER						
TUBING						
OPEN HOLE						SHOTS/FT.
PERFORATIONS						
PERFORATIONS						
PERFORATIONS						

ORIGINAL

### JOB DATA

TOOLS AND ACCESSORIES			
TYPE AND SIZE	QTY.	MAKE	
FLOAT INSERT 5 7/8	1		/
FLOW ASSY 5 7/8	1	I	
GUIDE SHOE REG 5 7/8	1	O	
CENTRALIZERS 5 7/8 x 7 7/8	7	E	
BOTTOM PLUG			
TOP PLUG SW 5 7/8	1	O	
HEAD P.C. 5 7/8	1		
PACKER			
OTHER WELD-A 1 1/2	1		

CALLED OUT	ON LOCATION	JOB STARTED	JOB COMPLETED
DATE 1/14/97	DATE 1/15/97	DATE 1/15/97	DATE 1/15/97
TIME 19:30	TIME 00:30	TIME 06:35	TIME 07:30

### PERSONNEL AND SERVICE UNITS

NAME	UNIT NO & TYPE	LOCATION
DAVID BACON	P/U	DUNCAN, OK
D9366	94453	
TOA MULLENS	REMI	DUNCAN, OK
E 0382	53276-713	
GARY DALRYMPLE	BULK	DUNCAN, OK
	4461-6612	
DENNIS CORPENING	BULK	HUGOTON, MS
	50101-6610	

MATERIALS

TREAT. FLUID \_\_\_\_\_ DENSITY \_\_\_\_\_ LB/GAL. °API  
 DISPL. FLUID \_\_\_\_\_ DENSITY \_\_\_\_\_ LB/GAL. °API  
 PROP. TYPE \_\_\_\_\_ SIZE \_\_\_\_\_ LB.  
 ACID TYPE \_\_\_\_\_ GAL. \_\_\_\_\_ %  
 SURFACTANT TYPE \_\_\_\_\_ GAL. \_\_\_\_\_ IN.  
 FLUID LOSS ADD. TYPE \_\_\_\_\_ GAL.-LB. \_\_\_\_\_ IN.  
 GELLING AGENT TYPE \_\_\_\_\_ GAL.-LB. \_\_\_\_\_ IN.  
 FRIC RED AGENT TYPE \_\_\_\_\_ GAL.-LB. \_\_\_\_\_ IN.  
 BREAKER TYPE \_\_\_\_\_ GAL.-LB. \_\_\_\_\_ IN.  
 BLOCKING AGENT TYPE \_\_\_\_\_ GAL.-LB. \_\_\_\_\_ IN.  
 PERFPAC BALLS TYPE \_\_\_\_\_ QTY. \_\_\_\_\_  
 OTHER \_\_\_\_\_  
 OTHER \_\_\_\_\_

DEPARTMENT \_\_\_\_\_  
 DESCRIPTION OF JOB \_\_\_\_\_  
 JOB DONE THRU. TUBING  CASING  ANNULUS  TBG./ANN   
 CUSTOMER REPRESENTATIVE X David Bacon  
 HALLIBURTON OPERATOR DAVID BACON COPIES REQUESTED \_\_\_\_\_  
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 KANSAS CORP COM  
 1997 APR -3 P 1:30

### CEMENT DATA

STAGE	NUMBER OF SACKS	CEMENT	BRAND	BULK SACKED	ADDITIVES	YIELD CU FT./SK	MIXED LBS./GAL
	300	PREM PLUS LT.	S.W.	R	1/4" SK FLOCELE	2.06	12.3
	160	PREM PLUS	S.W.	B	1/4" SK FLOCELE	1.32	14.8

### PRESSURES IN PSI

### SUMMARY

### VOLUMES

CIRCULATING \_\_\_\_\_ DISPLACEMENT \_\_\_\_\_ PRESLUSH: BBL. GAL. \_\_\_\_\_ TYPE \_\_\_\_\_  
 BREAKDOWN \_\_\_\_\_ MAXIMUM \_\_\_\_\_ LOAD & BKDN: BBL. GAL. \_\_\_\_\_ PAD BBL. GAL. \_\_\_\_\_  
 AVERAGE \_\_\_\_\_ FRACTURE GRADIENT \_\_\_\_\_ TREATMENT: BBL. GAL. \_\_\_\_\_ DISPL. BBL. 64  
 SHUT-IN: INSTANT \_\_\_\_\_ 5-MIN \_\_\_\_\_ 15-MIN \_\_\_\_\_ CEMENT SLURRY: BBL. 1106 37.6 T.G.  
 HYDRAULIC HORSEPOWER \_\_\_\_\_ TOTAL VOLUME: BBL. 147.6  
 ORDERED \_\_\_\_\_ AVAILABLE \_\_\_\_\_ USED \_\_\_\_\_ REMARKS  
 AVERAGE RATES IN BPM \_\_\_\_\_ SEE JOB LOG  
 TREATING \_\_\_\_\_ DISPL. \_\_\_\_\_ OVERALL \_\_\_\_\_  
 CEMENT LEFT IN PIPE \_\_\_\_\_  
 FEET 44.5 REASON SHOE JOINT

CUSTOMER: LOORY Exploration  
 LEASE: DUNE - Hoffman  
 WELL NO: 02  
 JOB TYPE: 5 7/8 LONGSTRETCH  
 DATE: 1/15/97





