

plugged 1-21-94

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

KCC

FEB 2

Operator: License # 30606

Name: Murfin Drilling Co.

Address 250 N. Water, Suite 300

City/State/Zip Wichita, KS 67202

Purchaser: N/A

Operator Contact Person: Larry M. Jack

Phone () 267-3241

Contractor: Name: Murfin Drilling Co., Inc.

License: 30606

Wellsite Geologist: Scott Banks

Designate Type of Completion

New Well Re-Entry Workover

Oil SWD SIOW Temp. Abd.

Gas ENHR SIGW

Dry Other (Core, WSW, Expl., Cathodic, etc)

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

Operator: RELEASED

Well Name: _____

Comp. Date _____ Old Total Depth _____

Deepening Re-perf. FROM CONFIDENTIAL

Plug Back _____ PBTD _____

Commingled _____ Docket No. _____

Dual Completion _____ Docket No. _____

Other (SWD or Inj?) _____ Docket No. _____

Spud Date 1-12-94 Date Reached TD 1-21-94 Completion Date _____

API NO. 15- 071-20603-00-00

County Greeley

CONFIDENTIAL

90'S-E/2-NW-NE Sec. 2 Twp. 18S Rge. -43W

4530 Feet from S/W (circle one) Line of Section

1650 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 Bobcat Well # 2-2

Field Name Moore-Johnson

Producing Formation None

Elevation: Ground 3908 KB 3917

Total Depth 5290 PBTD _____

Amount of Surface Pipe Set and Cemented at 313 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
(Data must be collected from the Reserve Pit)

Chloride content 4200 ppm Fluid volume 2500 bbls

Dewatering method used evaporation

Location of fluid disposal if hauled offsite: _____

Operator Name _____

Lease Name _____ License No. _____

Quarter _____ Sec. _____ Twp. 18S Rng. _____ E/W _____

County _____ Docket No. 2-3-94

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 By: Larry M. Jack

Title Larry M. Jack, Prod. Mgr. Date 2/2/94

Subscribed and sworn to before me this 2 day of Feb. 19 94.

Notary Public Kerran Redington

Date Commission Expires 2/6/94

K.C.C. OFFICE USE ONLY			
F	<input checked="" type="checkbox"/>	Letter of Confidentiality Attached	
C	<input checked="" type="checkbox"/>	Wireline Log Received	
C	<input checked="" type="checkbox"/>	Geologist Report Received	
Distribution			
<input checked="" type="checkbox"/>	KCC	<input type="checkbox"/> SWD/Rep	<input type="checkbox"/> MGA
<input type="checkbox"/>	KGS	<input type="checkbox"/> Plug	<input type="checkbox"/> Other (Specify)

KERRAN REDINGTON
NOTARY PUBLIC
STATE OF KANSAS
My Appt. Exp. 2-6-94

Operator Name Murfin Drilling Co., Inc.

Lease Name Bobcat

Well # 2-2

Seq. 2 Twp. 18S Rge. 43W

East
 West

County Greeley

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 of 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: **COMPENSATED DENSITY
DUAL INDUCTION**
DST & logs attached.

Log Formation (Top), Depth and Datum Sample

Name	Top	Datum	KCC
STONE CORRAL	2674	+1243	JH
TOPEKA	3885	+32	
HEEBNER	4122	-205	
LANSING	4192	-275	
MARMATON	4608	-684	
CHEROKEE	4748	-831	
ATOKA	4938	-1021	
MORROW SHALE	5072	-1155	
MORROW SAND	5175	-1258	
MORROW LIME	5182	-1265	
MISSISSIPPI	5215	-1298	

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	24#	313	60/40 Poz	200	2%gel, 3%cc

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 Specify Footage of Each Interval Perforated	Acid, Fracture, Shot, Cement Squeeze Record (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. D&A Producing Method Flowing Pumping Gas Lift Other (Explain)

Estimated Production Per 24 Hours Oil N/A Bbls. Gas N/A Mcf Water N/A 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. Commingled
 Other (Specify) _____

Production Interval

ORIGINAL

CONFIDENTIAL

FORMATION

TEST

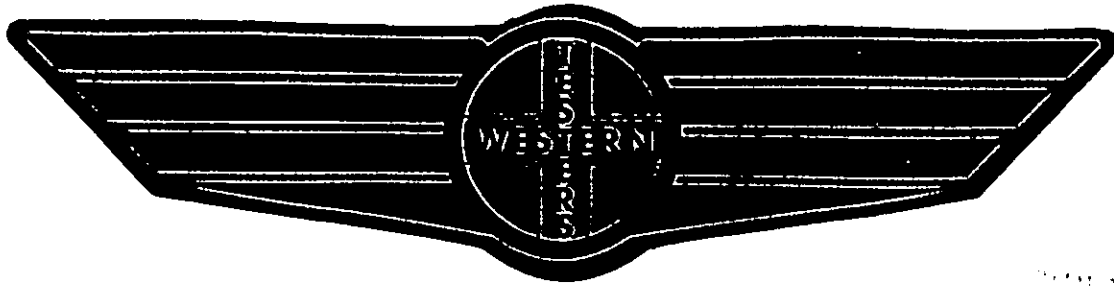
REPORT

KCC

FEB 2
CONFIDENTIAL

COMPANY MURFIN DRILLING CO., INC. LEASE & WELL NO. #2-2 BOBCAT SEC. 2 TWP. 18S RGF. 43W T13ST NO. 1 DATE: 1/20/94

API#15-071-20603



Home Office:
P.O. Box 1599

Wichita, Kansas 67201
Phone 1-800-688-7021

FEB - 3 1994

DST REPORT

GENERAL INFORMATION

DATE : 1/20/94
CUSTOMER : MURFIN DRILLING CO., INC.
WELL : #2-2 TEST: 1
ELEVATION: 3908 GL
SECTION : 2
RANGE : 43W COUNTY: GREELEY
GAUGE SN#: 13760 RANGE : 3950
TICKET : 20354
LEASE : BOBCAT
GEOLOGIST:
FORMATION: MORROW
TOWNSHIP : 18S
STATE : KS
CLOCK : 24

WELL INFORMATION

PERFORATION INTERVAL FROM: 5060.00 ft TO: 5196.00 ft TVD: 5196.0 ft
DEPTH OF SELECTIVE ZONE: TEST TYPE: OIL
DEPTH OF RECORDERS: 5073.0 ft 5076.0 ft
TEMPERATURE: 0.0
DRILL COLLAR LENGTH: 296.0 ft I.D.: 2.200 in
WEIGHT PIPE LENGTH : 0.0 ft I.D.: 0.000 in
DRILL PIPE LENGTH : 4732.0 ft I.D.: 3.800 in
TEST TOOL LENGTH : 32.0 ft TOOL SIZE : 5.500 in
ANCHOR LENGTH : 136.0 ft ANCHOR SIZE: 5.500 in
SURFACE CHOKE SIZE : 0.750 in BOTTOM CHOKE SIZE: 0.750 in
MAIN HOLE SIZE : 7.875 in TOOL JOINT SIZE : 4.5XH
PACKER DEPTH: 5055.0 ft SIZE: 6.750 in
PACKER DEPTH: 5060.0 ft SIZE: 6.750 in
PACKER DEPTH: 0.0 ft SIZE: 0.000 in
PACKER DEPTH: 0.0 ft SIZE: 0.000 in

MUD INFORMATION

DRILLING CON. : MURFIN RIG 24
MUD TYPE : CHEMICAL VISCOSITY : 50.00 cp
WEIGHT : 9.300 ppg WATER LOSS: 8.800 cc
CHLORIDES : 8200 ppm
JARS-MAKE : WTC SERIAL NUMBER: 415
DID WELL FLOW?: NO REVERSED OUT?: NO

COMMENTS

Comment

INITIAL FLOW PERIOD WEAK BLOW - 1/2 INCH IN WATER
DIED IN 20 MINUTES. FINAL FLOW PERIOD NO BLOW.

CONFIDENTIAL

CONFIDENTIAL

DST REPORT (CONTINUED)

KOL

FEB 2

CONFIDENTIAL

FLUID RECOVERY

Feet of Fluid	% Oil	% Gas	% Water	% Mud	Comments
90.0	0.0	0.0	0.0	100.0	MUD
0.0	0.0	0.0	0.0	0.0	CHLORIDES 9000 PPM

RATE INFORMATION

OIL VOLUME:	0.0000	STB	TOTAL FLOW TIME:	90.0000	min.
GAS VOLUME:	0.0000	SCF	AVERAGE OIL RATE:	0.0000	STB/D
MUD VOLUME:	0.4231	STB	AVERAGE WATER RATE:	0.0000	STB/D
WATER VOLUME:	0.0000	STB			
TOTAL FLUID :	0.4231	STB			

FIELD TIME & PRESSURE INFORMATION

INITIAL HYDROSTATIC PRESSURE: 2533.00

Description	Duration	p1	p End
INITIAL FLOW	45.00	117.00	117.00
INITIAL SHUT-IN	60.00		156.00
FINAL FLOW	45.00	136.00	136.00
FINAL SHUT-IN	60.00	RELEASED	156.00

FINAL HYDROSTATIC PRESSURE: 2484.00

MAY 24 1995

OFFICE TIME & PRESSURE INFORMATION

FROM CONFIDENTIAL

INITIAL HYDROSTATIC PRESSURE: 2557.00

Description	Duration	p1	p End
INITIAL FLOW	45.00	106.00	112.00
INITIAL SHUT-IN	51.00		146.00
FINAL FLOW	45.00	130.00	138.00
FINAL SHUT-IN	54.00		152.00

FINAL HYDROSTATIC PRESSURE: 2530.00

FEB -5 1995

PRESSURE TRANSIENT REPORT

GENERAL INFORMATION

DATE	: 1/20/94	TICKET	: 20354
CUSTOMER	: MURFIN DRILLING CO., INC.	LEASE	: BOBCAT
WELL	: #2-2	TEST:	1
ELEVATION:	3908 GL	GEOLOGIST:	
SECTION	: 2	FORMATION:	MORROW
RANGE	: 43W	COUNTY:	GREELEY
GAUGE SN#:	13760	RANGE	: 3950
		STATE	: KS
		CLOCK	: 24

INITIAL FLOW

<u>Time</u> <u>(min)</u>	<u>Pressure</u>	<u>Delta P</u>
0.00	106.00	106.00
5.00	106.00	0.00
10.00	106.00	0.00
15.00	106.00	0.00
20.00	107.00	1.00
25.00	108.00	1.00
30.00	109.00	1.00
35.00	110.00	1.00
40.00	111.00	1.00
45.00	112.00	1.00

INITIAL SHUT IN

<u>Time</u> <u>(min)</u>	<u>Pressure</u>	<u>Delta P</u>	<u>Horner T</u>
3.00	114.00	114.00	0.00
6.00	117.00	3.00	0.00
9.00	120.00	3.00	0.00
12.00	124.00	4.00	0.00
15.00	126.00	2.00	0.00
18.00	128.00	2.00	0.00
21.00	131.00	3.00	0.00
24.00	133.00	2.00	0.00
27.00	135.00	2.00	0.00
30.00	137.00	2.00	0.00
33.00	139.00	2.00	0.00
36.00	141.00	2.00	0.00
39.00	142.00	1.00	0.00
42.00	143.00	1.00	0.00
45.00	144.00	1.00	0.00
48.00	145.00	1.00	0.00

CONFIDENTIAL

PRESSURE TRANSIENT REPORT (CONTINUED)

CONFIDENTIAL

INITIAL SHUT IN (CONTINUED)

<u>Time (min)</u>	<u>Pressure</u>	<u>Delta P</u>	<u>Horner T</u>
51.00	146.00	1.00	0.00

FINAL FLOW

<u>Time (min)</u>	<u>Pressure</u>	<u>Delta P</u>
0.00	130.00	130.00
5.00	130.00	0.00
10.00	131.00	1.00
15.00	133.00	2.00
20.00	135.00	2.00
25.00	137.00	2.00
30.00	138.00	1.00
35.00	138.00	0.00
40.00	138.00	0.00
45.00	138.00	0.00

RELEASED

MAY 24 1995

FROM CONFIDENTIAL

FINAL SHUT IN

<u>Time (min)</u>	<u>Pressure</u>	<u>Delta P</u>	<u>Horner T</u>
3.00	138.00	138.00	0.00
6.00	139.00	1.00	0.00
9.00	140.00	1.00	0.00
12.00	142.00	2.00	0.00
15.00	144.00	2.00	0.00
18.00	146.00	2.00	0.00
21.00	147.00	1.00	0.00
24.00	147.00	0.00	0.00
27.00	148.00	1.00	0.00
30.00	148.00	0.00	0.00
33.00	149.00	1.00	0.00
36.00	149.00	0.00	0.00
39.00	150.00	1.00	0.00
42.00	150.00	0.00	0.00
45.00	151.00	1.00	0.00
48.00	151.00	0.00	0.00
51.00	152.00	1.00	0.00
54.00	152.00	0.00	0.00

STATE

FEB - 3 1994

CONFIDENTIAL

FLUID SAMPLE REPORT

GENERAL INFORMATION

DATE : 1/20/94
CUSTOMER : MURFIN DRILLING CO., INC.
WELL : #2-2 TEST: 1
ELEVATION: 3908 GL
SECTION : 2
RANGE : 43W COUNTY: GREELEY
GAUGE SN#: 13760 RANGE : 3950
TICKET : 20354
LEASE : BOBCAT
GEOLOGIST:
FORMATION: MORROW
TOWNSHIP : 18S
STATE : KS
CLOCK : 24

SAMPLE INFORMATION

PRESSURE IN SAMPLER: 100.00 PSIG BHT: 0.0 DEG F
TOTAL VOLUME OF SAMPLER: 3150.00 cc
TOTAL VOLUME OF SAMPLE: 3150.00 cc
OIL: 0.00 cc
WATER: 0.00 cc
MUD: 3150.00 cc
GAS: 0.00 cc
OTHER: 0.00 cc

RESISTIVITY

DRILLING MUD: CHLORIDE CONTENT: 0.00 ppm
MUD PIT SAMPLE: CHLORIDE CONTENT: 0.00 ppm
GAS/OIL RATIO: GRAVITY:
WHERE WAS SAMPLE DRAINED:
REMARKS:

483-2627, Russell, KS
 316-793-5861, Great Bend, KS

Phone 913-625-5516, Hays, KS
 Phone 913-672-3471, Oakley, KS

Phone 316-886-5926, Medicine Lodge, KS
 Phone 913-798-3843, Ness City, KS

ALLIED CEMENTING CO., INC.

Home Office P. O. Box 31

Russell, Kansas 67665

7529
CONFIDENTIAL

New

Date	1-12-94	Sec.	2	fwp.	185	Range	43w	Called Out	6:30 PM	On Location	9:40 PM	Job Start	12:30 AM	Finish	1:00 AM																																																																																																																																																																																																																																																																																												
Lease	Bobcat	Well No.	2-2	Location	Tribune 15W-3 1/2 N-E. into			County	Greene	State	KS.																																																																																																																																																																																																																																																																																																
Contractor	Murfin Drilling Rig # 24					Owner	Murfin Drilling																																																																																																																																																																																																																																																																																																				
Type Job	Surface					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 listed.																																																																																																																																																																																																																																																																																																					
Hole Size	12 1/4	T.D.	315																																																																																																																																																																																																																																																																																																								
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3-483-2627, Russell, KS
Phone 316-793-5861, Great Bend, KS

Phone 913-625-5516, Hays, KS
Phone 913-672-3471, Oakley, KS

Phone 316-886-5926, Medicine Lodge, KS
Phone 913-798-3843, Ness City, KS

ALLIED CEMENTING CO., INC.

8051

Home Office P. O. Box 31

Russell, Kansas 67665

CONFIDENTIAL

New

Date	1-22-94	Sec.	2	Twp.	18	Range	43W	Called Out	11:20 PM	On Location	11:45 PM	Job Start	3:30 AM	Finish
Lease	2-2-94	Well No.	2-2	Location	Tribune W to K's line			County	Greeley	State	KS			
Contractor	Murfin Drlg Ry 24													
Type Job	plug													
Hole Size	7 7/8	T.D.	5290											
Csg.	Depth													
Tbg. Size	Depth													
Drill Pipe	Depth													
Tool	Depth													
Cement Left in Csg.	Shoe Joint													
Press Max.	Minimum													
Meas Line	Displace													
Perf.														

Owner *3N 1/4 E*
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 listed.

Charge To *Murfin Drlg*
Street *250 N Water St. #300*
City *Wichita* State *Kan 67202*
The above was done to satisfaction and supervision of owner agent or contractor.

Purchase Order No. *Laura M. Brown*

CEMENT

Amount Ordered	<i>235.40 6% gel 1/4 lb flour</i>		
Consisting of			
Common	<i>141</i>	<i>6.85</i>	<i>965.85</i>
Poz. Mix	<i>94</i>	<i>3.00</i>	<i>282.00</i>
Gel.	<i>8</i>	<i>7.00</i>	<i>56.00</i>
Chloride			
Quickset			
<i>F10 Seal 59#</i>	<i>110</i>		<i>64.90</i>

Handling	<i>100</i>	<i>2.35.00</i>
Mileage	<i>04</i>	<i>940.00</i>
MAY 24 1995		Sub Total
FROM CONFIDENTIAL		Total
Floating Equipment		STATE

EQUIPMENT

OKley No.	Cementer	<i>Terry Dave</i>
Pumptrk <i>153</i>	Helper	
Pumptrk No.	Cementer	<i>Steve</i>
Pumptrk	Helper	
Bulktrk <i>303</i>	Driver	
Bulktrk	Driver	

DEPTH of Job	
Reference:	
<i>Pump trk chg</i>	<i>430.00</i>
<i>2 2 1/2 per mile</i>	<i>100 225.00</i>
<i>plug</i>	<i>21.00</i>
Sub Total	<i>676.00</i>
Tax	
Total	

Remarks:
50 sk @ 2750
50 sk @ 1800
50 sk @ 900
50 sk @ 350
10 sk @ 40 + plug

15 Rad hole 10 mouse hole

CONFIDENTIAL
ORIGINAL