

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

API NO. 15- 075-20632-0000

ORIGINAL

County Hamilton
NW NE NE Sec. 12 Twp. 24 Rge. 41 X ^E _W

Operator: License # 4894

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

Name: Horseshoe Operating Co.

1260 Feet from E/W (circle one) Line of Section

Address 500 West Texas

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

Suite 1190

Lease Name Johnson Well # 3

City/State/Zip Midland Tx., 79701

Field Name Bradshaw

Purchaser: MURFIN DRILLING CO.

Producing Formation: None

Operator Contact Person: Jim Dixon

Elevation: Ground 3244 KB 3249

Phone (915) 683-1448

Total Depth 2373 PBDT PTA

Contractor: Name: Murfin Drilling Co.

Amount of Surface Pipe Set and Cemented at 221 Feet

License: 30606

Multiple Stage Cementing Collar Used? Yes X No

Wellsite Geologist: None

If yes, show depth set _____ Feet

Designate Type of Completion
 New Well Re-Entry Workover

If Alternate II completion, cement circulated from _____

Oil SWD SIOW Temp. Abd.
 Gas ENHR SIGW
 Dry Other (Core, WSW, Expl., Cathodic, etc)

feet depth to _____ w/ _____ ex cat.

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

Drilling Fluid Management Plan D&A JKH 3-20-97
(Data must be collected from the Reserve Pit)

Operator: _____

Chloride content _____ ppm Fluid volume _____ bbls

Well Name: _____

Dewatering method used _____

Comp. Date _____ Old Total Depth _____

Location of fluid disposal if hauled offsite _____

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

Operator Name 3-18-97

Lease Name _____ License No. _____

12-10-96 12-12-96 PTA

Quarter _____ Sec. _____ Twp. _____ Rge. _____ E/W

Spud Date _____ Date Reached TD _____ Completion Date _____

County _____ Docket No. _____

RECEIVED
KANSAS CORP COM
MAR 18 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 Terry W Maxwell

NOTARY PUBLIC, State of Kansas
RONDA D. MAXWELL
MY ADDL EXP. 3-11-97

Title Consultant

Subscribed and sworn to before me this 11 day of March 19 97

Notary Public Ronda D. Maxwell

Date Commission Expires 12-13-2000

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

Operator Name Horseshoe Operating Co.

Lease Name Johnson

Well # 3

Sec. 12 Twp. 24 Rge. 41

East
 West

County Hamilton

INSTRUCTIONS: Show important tops and base of formations penetrated. Detail all cores. Report all drill stem tests given 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 sheets if more space is needed. Attach copy of log.

Drill Stem Tests Taken
(Attach Additional Sheets.)

Yes No

Log

Formation (Top), Depth and Datum

Sample

Samples Sent to Geological Survey

Yes No

Name

Top

Datum

Cores Taken

Yes No

Stone Corral
Winfield

1812
2311

+1437
+ 838

Electric Log Run
(Submit Copy.)

Yes No

List All E.Logs Run:

Neutron - Density - GR - Caliper
Cement - GR - Collar Correlation

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"	26#	240	C	175	2% CaCl 1/4#/sx ce.

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				

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 <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
---------------	---	---

Date of (First) Resumed Production, SMD or Inj. <u>D & A</u>	Producing Method <input type="checkbox"/> Flowing <input type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other (Explain)
--	---

Estimated Production Per 24 Hours	Oil <u>N/A</u> Bbls.	Gas <u>N/A</u> Mcf	Water <u>N/A</u> Bbls.	Gas-Oil Ratio	Gravity
-----------------------------------	----------------------	--------------------	------------------------	---------------	---------

Disposition of Gas:

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

METHOD OF COMPLETION

Open Hole Perf. Dually Comp. Commingled

Production Interval

15.075.20632.0000

CEMENTING SERVICE REPORT

Schlumberger
Dowell
DOWELL SCHLUMBERGER INCORPORATED

TREATMENT NUMBER
8815
STAGE DS DISTRICT
1 03 122
DATE
12-10-96

S-496-A PRINTED IN U.S.A.

WELL NAME AND NO. Johnson #3
WELL DATA: Sec 12-245-41W
COUNTY/PARISH Hamilton STATE KS
NAME Hobbs operating
ADDRESS
ZIP CODE

RIG NAME: Muffin B
WELL DATA: BIT SIZE 12 1/4 CSQ/Liner Size 8 5/8
TOTAL DEPTH 220 WEIGHT 24
MUD TYPE GRADE FOOTAGE 220
MUD DENSITY LESS FOOTAGE SHOE JOINT(S) 15
MUD VISC. Disp. Capacity 13
NOTE: Include Footage From Ground Level To Head In Disp. Capacity

ORIGINAL

SPECIAL INSTRUCTIONS
Cement into 8 5/8 surface casing
customer's instructions
IS CASING/TUBING SECURED? YES NO
IFT PRESSURE 200 PSI CASING WEIGHT - SURFACE AREA (3.14 x R²)
PRESSURE LIMIT 1000 PSI BUMP PLUG TO PSI
ROTATE RPM RECIPROCATATE FY No. of Centralizers

Head & Plugs TBG D.P. SQUEEZE JOB
TOOL TYPE DEPTH
TAI PIPE: SIZE DEPTH
TUBING VOLUME Bbls
CASING VOL. BELOW TOOL Bbls
TOTAL Bbls
ANNUAL VOLUME Bbls

JOB SCHEDULED FOR TIME: ASHP DATE: 12-10-96 ARRIVE ON LOCATION TIME: 2215 DATE: 12-10-96 LEFT LOCATION TIME: 0115 DATE: 12-11-96

TIME	PRESSURE		VOLUME PUMPED gal		JOB SCHEDULED FOR			ARRIVE ON LOCATION		LEFT LOCATION	
	TBG OR D.P.	CASING	INCREMENT	CUM	INJECT RATE	FLUID TYPE	FLUID DENSITY	TIME	DATE	TIME	DATE
0007											
0010	90		6	6	575	H2O	8.3				
0012	130		34	6	575	cmf	12.8				
0022	175		18	40	575	cmf	14.8				
0024											
0025	150		13	58	575	H2O	8.3				
0030				71							
0031											

24 SKS TO Surface

RECEIVED
KANSAS CORP COM
1997 MAR 13 12:09

REMARKS

SYSTEM CODE	NO. OF SACKS	YIELD CU. FT/SK	COMPOSITION OF CEMENTING SYSTEMS			SLURRY MIXED		
			1	2	3	BBLs	DENSITY	
1.	100	1.86	75	202	65	C + 6% D-20 + 2% S-1 + 4% V-29	33.1	12.8
2.								
3.	75	6.32				C + 2% S-1 + 4% S-27	17.6	14.5
4.								
5.								
6.								

REARNDOWN FLUID TYPE VOLUME DENSITY PRESSURE MAX MIN
HESITATION SO. RUNNING SO. CIRCULATION LOST YES NO Cement Circulated To Surf. YES NO 8 Bbls
REARNDOWN PSI FINAL PSI DISPLACEMENT VOL. 13 Bbls TYPE OF WELL OIL GAS STORAGE INJECTION BRINE WATER WILDCAT
Flushed Thru Perfs YES NO TO FT. MEASURED DISPLACEMENT WIRELINE
INFORMATION TO TO CUSTOMER REPRESENTATIVE SUPERVISOR
Skipper Burns Key Pearson

CEMENTING SERVICE REPORT

Schlumberger

Dowell

DOWELL SCHLUMBERGER INCORPORATED

15-075-20632-0008

TREATMENT NUMBER 12 8824 DATE 12-12-96
STAGE DS DISTRICT 03 12 UKS

DS-485-A PRINTED IN U.S.A.

WELL NAME AND NO. Johnson #3 LOCATION (LEGAL) Sec 12-245-41W

RIG NAME: Aetsmark #8 MUDWIN #8

FIELD-POOL Houston FORMATION Chase

WELL DATA: BIT SIZE CSG/Liner Size TOTAL DEPTH WEIGHT

COUNTY/PARISH Hamilton STATE KS API. NO.

ORIGINAL

NAME Horse Shoe Operating

MUD TYPE GRADE MUD DENSITY LESS FOOTAGE SHOE JOINT(S) MUD VISC. Disp. Capacity

AND ADDRESS

NOTE: Include Footage From Ground Level To Head In Disp. Capacity

SPECIAL INSTRUCTIONS Safety Plug AS Directed by Customer!!

Head & Plugs: TBG, D.P., SQUEEZE JOB

IS CASING/TUBING SECURED? YES NO

TOOL JOBS

LIFT PRESSURE PSI CASING WEIGHT - SURFACE AREA (8.34 x R²)

TYPE DEPTH

PRESSURE LIMIT 1000 PSI BUMP PLUG TO PSI

TAILO PIPE: SIZE DEPTH TUBING VOLUME CASING VOL BELOW 100L

ROYATE RPM RECIPROCATE FT No. of Centralizers

TOP OR OW NEW USED DEPTH 1830 TOTAL ANNUAL VOLUME

JOB SCHEDULED FOR TIME: ASKP DATE: 12-12-96 ARRIVE ON LOCATION TIME: 1630 DATE: 12-12-96 LEFT LOCATION TIME: 2000 DATE: 12-12-96

TIME	PRESSURE		VOLUME PUMPED BBL		INJECT RATE	FLUID TYPE	FLUID DENSITY	SERVICE LOG DETAIL
	TBG OR D.P.	CASING	INCREMENT	CUM				
0001 to 2400								PREJOB SAFETY MEETING
1723	100		10	4.0	H2O	8.3	START Pump H2O	
1726	125		13.3	4.0	CMT	13.6	START CMT Slurry 1st Plug	
1727	90		3.5	233	H2O	8.3	START H2O	
1729	50		16.4	268	Mud	9.0	START Mud	
1731			43.2				Shutdown	
1824	75		43.2	40	H2O	8.3	START H2O	
1826	140		21.5	48.2	4.0	CMT	13.6	START CMT Slurry 2nd Plug
1832	40		1.7	49.5	4.0	H2O	8.3	START H2O
1833	50		3.4	71.2	4.0	mud	9.0	START Mud
1834			74.6				Shutdown	
1858	50		10.6	74.6	3.4	CMT	13.6	START CMT Slurry 3rd Plug
1901			.6	85.2	3.4	mud	9.0	START Mud
1902				85.8			Shutdown	
1917	15		4.5	85.8	3.0	CMT	13.6	START Cement Slurry 4th Plug
1921				90.3			Shutdown	
1921							End Job	

RECEIVED
MANISAS CORP COMM
18 MAR 18 10 20 AM '96

REMARKS

SYSTEM CODE	NO. OF SACKS	YIELD CU FT/SK	COMPOSITION OF CEMENTING SYSTEMS		SLURRY MIXED	
			Class	Adm	BBLs	DENSITY
1.	20.5	1.5	Class H P02+	6% D20	54.7	12.1
2.						
3.						
4.						
5.						
6.						

BREAKDOWN FLUID TYPE VOLUME DENSITY PRESSURE 140 MAX. 90 MIN.

Washed Thru Peris YES NO TO FT. MEASURED DISPLACEMENT

PERFORATIONS TO TO CUSTOMER REPRESENTATIVE Ed McKenna DS SUPERVISOR