

STATE OF KANSAS
STATE CORPORATION COMMISSION
200 Colorado Derby Building
Wichita, Kansas 67202

WELL PLUGGING RECORD
K.A.R.-82-3-117

API NUMBER 15-065-01425-00-01

LEASE NAME Forgy

TYPE OR PRINT
NOTICE: Fill out completely
and return to Cons. Div.
office within 30 days.

WELL NUMBER 12

1650 Ft. from S Section Line

660 Ft. from E Section Line

LEASE OPERATOR Murfin Drilling Company, Inc.

SEC. 18 TWP. 9 RGE. 21 (E or W)

ADDRESS 250 North Water, Suite 300, Wichita, KS 67202

COUNTY Graham

PHONE#(913) 674-2101 OPERATORS LICENSE NO. 30606

Date Well Completed 10/13/96

Character of Well Salt Water Disposal

Plugging Commenced 12/14/94

(Oil, Gas, D&A, SWD, Input, Water Supply Well)

Plugging Completed 12/14/94

The plugging proposal was approved on 12/14/94 (date)

by Dennis Hamel (KCC District Agent's Name).

Is ACO-1 filed? N/A If not, is well log attached? _____

Producing Formation Arbuckle Depth to Top 3856 Bottom 3963 T.D. 3963

Show depth and thickness of all water, oil and gas formations.

OIL, GAS OR WATER RECORDS

CASING RECORD

Formation	Content	From	To	Size	Put in	Pulled out
Arbuckle	water	3856	3963			
				8 5/8"	164	0
				5 1/2"	3858	0

Describe in detail the manner in which the well was plugged, indicating where the mud fluid was placed and the method or methods used in introducing it into the hole. If cement or other plugs were used, state the character of same and depth placed, from feet to feet each set.
Perforated csg. @ 195'. Ran in hole with tbg. Pumped 100 sacks Class A & 160 sacks 60-40 Poz with 4% gel 1/2# flo-seal per sack, 200# hulls down tbg. Circ. cement out of 8 5/8" & backside. Tripped out hole with tbg. Pumped 40 sacks 60-40 Poz down 5 1/2". Max PSI 200 psig. ISIP 50 psig. Plugged @ 2:30 P.M.

(If additional description is necessary, use BACK of this form.)

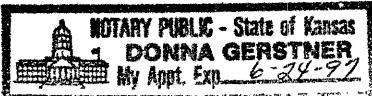
Name of Plugging Contractor MURFIN DRILLING CO., INC. License No. 30606

Address Wichita, KS

NAME OF PARTY RESPONSIBLE FOR PLUGGING FEES: Murfin Drilling Co., Inc.

STATE OF Kansas COUNTY OF Graham, ss.

John Gerstner, Production Superintendent (Employee of Operator) or (Operator) of above-described well, being first duly sworn on oath, says: That I have knowledge of the facts, statements, and matters herein contained and the log of the above-described well as filed that the same are true and correct, so help me God.



(Signature) John Gerstner

(Address) E. Highway 24, Hill City, KS 67642

SUBSCRIBED AND SWORN TO before me this 27 day of January, 19 95

My Commission Expires: 6/24/97

Notary Public

Corrected Copy

WELL LOG

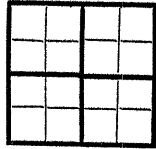
COMPANY Murfin Drilling Company

SEC. 18 T. 9S R. 21W
 LOC. C S/2 NE SW

FARM Forgy NO. 12

RIG. NO.
 TOTAL DEPTH 3858
 COMM. 10/5/56 COMP. 10/13/56

COUNTY Graham
 KANSAS



CONTRACTOR Barnett Drilling, Inc.

CASING

20	10	
15	8	5/8" 164 w/125 sx
12	6	
13	5	1/2" 3865' w/100 sx

ELEVATION 2336 RB

PRODUCTION

FIGURES INDICATE BOTTOM OF FORMATIONS

0	40	Surface Clay
40	50	Sand
50	164	Shale & Shells
164	635	Shale
635	1150	Shale & Shells
1150	1300	Sandy Shale
1300	1500	Sand
1500	1825	Shale
1825	1858	Anhydrite
1858	2030	Shale
2030	2325	Shale & Shells
2325	2640	Shale & Lime
2640	2715	Lime
2715	3340	Lime & Shale
3340	3420	Lime
3420	3495	Lime & Shale
3495	3855	Lime
3855		Conglomerate
3856		Arbuckle
3858		Total Depth

State of Kansas
 County of Sedgwick } ss:

I, James R. Daniels of the Murfin Drilling Company

upon oath state that the above and foregoing is a true and correct copy of the log of the Forgy #12 well.

Subscribed and sworn to before me this 20th day of April

James R. Daniels
 James R. Daniels

My Commission Expires:

DOLORES B. COADY
 STATE NOTARY PUBLIC
 SEDGWICK COUNTY, KANSAS
 Comm. Expires Mar. 7, 1975

Dolores B. Coady
 NOTARY PUBLIC
 Dolores B. Coady

PLUGGED WELL REPORT
FORGY #12 SWD

S/2 NE SW

Sec. 18-9S-21W

Graham County, Kansas

Elevation - 2336' K.B.
5 1/2" Casing set @ 3856' K.B.
R.T.D. - 3858' K.B.
8 5/8" Surface pipe set @ 164' w/125 sacks
Arbuckle OH - 3856-3963'
Perforation: 1578' w/675 sacks

Directions: From Bogue, Kansas - At 4 way stop, 7 miles south,
1/2 mile west, north into.

12/5/94 - Day 1

MIRU MDC's #396. Picked up on tbg, did not have any weight. TOH w/1 jt & 4' of 2nd jts of 2 3/8" Cooper-coated tbg. Called f/fishing tools. RIH w/overshot w/2.375 body grapple, extension bowl, bumper sub & 2 3/8" tbg. Top of fish @ 35' f/s. Stacked out @ 30'. Pulled tools out of hole several times to clean overshot that was plugged w/FeS & paraffin. Worked tools dwn 5' could not get fish. Put on 2 1/4" body grapple. RIH & worked with f/1 hr. Rec 2' of fish. RIH w/overshot, worked w/cleaning overshot several times. Could not get ahold of fish. RIH w/releasing spear w/1.992 grapple, worked with, could not get ahold of fish. RIH w/2' flat btm mill w/cutright w/2 1/4" body grapple. Rotated dwn 1', could not get any deeper. Took off mill, put back on overshot shoe. Rec 2' of fish. Ran back in hole, worked w/rec 1' of fish. Pumped 80 BSW dwn csg, 2 BPM, 40 psig. ISIF vac. SDON. Est cost \$1750.

12/6/94 - Day 2

RU Halliburton. Pumped 1000 gal 7 1/2% USFE dwn csg to clean FeS off fish. Took 3/4 bbl to load. Treated 1/2 BPM, 11 psig PSI w/20 bbls acid out started 1 BPM on vac. Displaced acid w/30 BSW 1 BPM, vac. RIH w/overshot w/2 1/4" grapple, extension bowl, bumper sub & 2 3/8" tbg. Tag fish @ 40'. Rotated tbg w/tongs, tbg would go dwn 1' & stop. TOH. Rec FeS & small pieces of tbg in overshot. Made several runs w/same results. Made approx 3'. SD due to bad weather. Est cost \$4035.

12/7/94 - Day 3

MI swab tank & filled w/SW.

12/8/94 - Day 4

MI work basket. RIH w/4 1/2 dog tooth shoe w/cut right & 3 hardened steel fingers on inside, 1 jt 4 1/2 wash pipe, bumper sub & tbg. Tag fish @ 45'. Ran wtr dwn backside, rotated wash pipe w/tongs. Made 15' then quit going dwn. TOH. Rec FeS & 2' of fish. Cleaned tools. RIH, rotated dwn 5' & stopped. TOH. Rec 4' of fish in 3 pieces + 2 3/8 collar. RIH rotated dwn 5', started to torque up. TOH. Rec no fish. RIH, rotated tools not making any
FEB 1 1995
WICHITA STATE

01/27/95

PLUGGED WELL REPORT
FORGY #12 SWD

S/2 NE SW

Sec. 18-98-21W

Graham County, Kansas

hole. TOH, no fish. Fingers on shoe flattened. Hole staying full now. RIH w/overshot w/2 1/4 grapple, extension bowl & bumper sub. Rotated tbg, felt like it dropped over fish. TOH. Rec 1' of fish. TIH, worked w/tbg. TOH. Rec 3' of fish. Made 2 more runs, rec nothing. Took off overshot, put on flat btm mill w/cut right w/new 2 1/4 grapple. TIH, felt like tools dropped over fish. TOH. Rec nothing. Took in dog tooth mill to have fingers rebuilt. MI mud pump, unloaded. SDON. Est cost \$6243.

12/9/94 - Day 5

RIH w/dog tooth mill w/cut right w/fingers in shoe, 1 jt 4 1/2 wash pipe, bumper sub & tbg. RU mud pump. 1 bbl load full circ. Tag fish 70', rotated tbg by hand, made 4', tag up solid. TOH. Rec nothing. RIH, hooked up power swivel. Tag fish, rotated dwn 5' to tbg collar, circ clean, rec FeS & plastic lining off of tbg. Made connection, could not get collar through circ head rubber due to no weight. Took out rubber, rotated dwn 1', put rubber back in, tried to circ. Press up to 400 psig. Picked tbg up 4'. Press to 400 psig. TOH w/tbg & tools, could not find any plugs. TIH. Rotated dwn to 90', lost circ. Kept running wtr dwn backside. Kept milling 45 min. Did not make any more hole. TOH. Rec 16' fish in 3 pieces. TIH w/new mill, tag fish @ 87', milled f/2 hrs. Tbg torquing up, made 1'. TOH w/tbg & tools. Rec nothing. SDOWE. Est cost \$8323.00

12/12/94 - Day 6

RIH w/overshot w/3" grapple, extension bowl, bumper sub & tbg. Tag fish @ 90'. Worked w/tbg, felt like tools dropped over fish. TOH w/no fish. RIH w/2 1/4 grapple, worked w/tbg w/same results. RIH w/Clulow socket. Tried 3 different slips, unable to get over fish. RIH w/impression block. Rec impression of sharp piece of tbg sticking up along side of csg. RIH w/flat btm mill w/3" grapple extension bowl, bumper sub & tbg. Tag fish @ 90', milled f/25 min, made 1' then 1' every 5 min. Milled dwn 5', regained circ long way. TOH w/tbg & tools. Rec no fish. RIH w/dog tooth mill w/fingers. Tag fish @ 90'. Got over fish, lowered tools to 95', stacked out. TOH w/tbg & tools. Rec 7' of tbg. Tbg ate off on one side. Rec 12" piece of tbg, pin end. RIH w/flat btm mill. Tag @ 95', milled dwn to 100'. Lost circ @ 97'. TOH. TIH w/dog tooth mill w/fingers, stacked out on fish. TOH. Rec no fish. TIH w/flat btm mill. Milled dwn to 122', pumping 1 BPM dwn tbg w/no circ. Mill started to torque up. TOH. Rec 2' of fish in 3 pieces. Have been running #14 to get wtr to swab tank. SD #14. LLL by tank battery. SDON. Est cost \$9943.

12/13/94 - Day 7

RIH w/dog tooth mill w/fingers, stacked out @ 122'. TOH. Rec no fish. RIH w/flat btm mill, 1 jt 4 1/2 wash pipe, bumper sub & tbg. Tag @ 122', pumped 1 BPM dwn tbg w/no circ. Rotated to 139', did not hit anything. Rotated dwn to 149', started to torque up. TOH. Rec FeS & small pieces of tbg (tbg pin end & part of collar). TIH,

01/27/95

PLUGGED WELL REPORT
FORGY #12 SWD

S/2 NE SW

Sec. 18-9S-21W

Graham County, Kansas

rotated dwn to 160', torqued up. TOH. Rec approx 4' of fish, unable to get out of wash pipe. RIH w/new jt of wash pipe. Milled f/45 min, made 3' not making any hole. TOH. Rec 3' of fish. TIH. Tried to circ hole long way. Pumped 25 BSW, 3 BPM, backside dead. Pumped 1 BPM dwn backside. Rotated dwn 172', not making any hole. TOH. Rec FeS & 2' of fish. TIH. Rotated dwn to 201'. TOH. Rec no fish. Took off mill, put on flat btm mill w/fingers, got over fish, stacked out @ 200'. TOH. Rec 22' of fish. RIH w/overshot w/2 1/4 grapple, stacked out @ 200'. TOH. Rec 5' of tbg. One side of tbg gone. Ran 10 BSW dwn csg, did not load. SDON. Est cost \$12793.

12/14/94 - Day 8

Dug out bradenhead. Pumped 35 BSW dwn csg, 2 BPM on vac. RU Mercury Wireline. Perforated 195' w/2 shots. TD 204'. RIH w/2 3/8" tbg to 195'. RU Allied Cementing. Plug well as follows: Pumped 100 sx class A & 160 sx 60-40 Poz w/4% gel 1/4# flo seal per sx, 200# hulls dwn tbg. To get circ out of 8 5/8" & backside. TOH w/tbg. Pumped 40 sx 60-40 Poz dwn csg. Max PSI 200 psig, ISIP 50 psig. Plugged @ 2:30 P.M. K.C.C. approved by Dennis Hamel. RDMD. Est cost \$18409.

John Gerstner
Production Superintendent

01/27/95

FEB 06 1995

OK
Graham County, Kansas



17111154
**RADIATION-GUARD
 LOG**

SWDC

COMPANY MURFIN DRILLING CO.
 WELL FORGY # 12
 FIELD MORELL
 County GRAHAM State KANS.

COMPANY MURFIN DRILLING COMPANY
 WELL FORGY # 12
 FIELD MORELL
 COUNTY GRAHAM
 Location S 1/2 - NE - SW
 Sec. 18 Twp 9S Rge 21W

RECEIVED
 STATE CORPORATION COMMISSION
 NOV 30 1994
 KANSAS DIVISION

Other Services:
 NONE

Permanent Datum GROUND LEVEL Elev. 2331'
 Log Measured From KELLY BUSHING 5 Ft. Above Perm. Datum Elev.: K.B. 2336'
 Drilling Measured From KELLY BUSHING D.F. 2334'
 G.I. 2331'

Date	4-4-72	4-4-72	4-4-72	
Run No.	ONE	GAMMA	NEUTRON	GUARD
Depth-Driller	4080'	4080'	4080'	
Depth-Welex	4079'	4079'	4079'	
Btm. Log Inter.	4069'	4079'	4069'	
Top Log Inter.	3200'	3200'	3860'	
Casing-Driller	@	@	5 1/2" @ 3856	@
Casing-Welex			5 1/2" @ 3858	
Bit Size			4-3/4"	
Type Fluid in Hole			WATER BASE MUD	
Dens. Visc.				
pH Fluid Loss	ml	ml	ml	
Source of Sample			PIT	
R _{10"} @ Meas. Temp.	@ °F	@ °F	.19 @ 69 °F	@
R _{15"} @ Meas. Temp.	@ °F	@ °F	.15 @ 69 °F	@
R _{23"} @ Meas. Temp.	@ °F	@ °F	.23 @ 69 °F	@
Source R _{10"} R _{15"} R _{23"}				
R _{10"} @ BHT	@ °F	@ °F	@ °F	@
Time Since Circ.				
Max. Rec. Temp.	°F @	°F @	°F @	°F @
Equip. Location	7434 HAYS			
Recorded By	PATTERSON			
Witnessed By	MR. BROWN			