

*17006 of
12/15/80*

CHRONOLOGICAL OPERATIONS

B & B Farm Industries, Inc.
Eddy #2
C NE NE; Section 6-35S-30W
Meade County, Kansas

Elevation: 2442 GL - 2453' KB (All measurements are KB)
API Number: 15-119-20,431

September 11, 1980 Set 20" conductor in 30" hole @ 100'; hole drilled w/
mud. Cemented by Halliburton w/ 350 sx Class "H" cement.

September 18, 1980 Sage Drilling Company Rig #7 MIRU.

September 19, 1980 Drilling 12-1/4" hole @ 1150'; red beds & shale (1150'/24
hrs.) - mud wt. 9.8# - vis 32 - 3# LCM. Spud @ 5:00 p.m.,
9/19/80.

September 20, 1980 1459' TD; (309'/24 hrs.) WOC - 1/4" @ 1459'. Mud wt. 9.9,
vis 33 - 3# LCM.
Bit #1: 12-1/4" (1459'/11 hrs.)
Ran 38 jts., 8-5/8" 24#, ST&C, 8 Rd. csg. (tally 1469.14')
- set csg. @ 1457' - cement w/ 500 sx HLC, 2% CaCl; tail in
w/ 200 sx Class H, 3% CaCl - plug down @ 6:00 p.m., 9/19/80
- float held - cement did not circ. Cement thru 1" pipe
from 80' w/ 100 sx HLC - cement circ. - job complete @
12:15 a.m., 9/20/80. WOC.

September 21, 1980 2400' TD (941'/24 hrs.); making bit trip - formation ln &
sh - mud properties are fresh water & native mud.
Bit #2: 7-7/8" Security S3-J, in @ 1459' (941'/14 hrs.)

September 22, 1980 2547' TD; rep. rig, 1/2" @ 2400'.
Vis 29 - wt 9.5#
Left 1 cone in hole @ 2400' - fished cone - drilled to 2547'
- rig settled breaking nipple off top of preventer. Pulled
bit up into surface to make repairs. Now prep. to go back
to drilling.
Bit #3 - F-3 re-run has cut 147'/4-1/2 hrs.)

September 23, 1980 Drilling @ 3100' (553'/24 hrs.)
wt. 8.8# - vis 40 - 4# LCM
Bit #3: 700'/25 hrs.

- September 24, 1980 Drilling @ 3680' (580'/24 hrs.)
Mud wt. 9# - vis 36 - 4# LCM
- September 25, 1980 Drilling @ 4220' (540'/24 hrs.)
Mud wt 9.8# - vis 36 - 4# LCM - WL 8.8 cc - Cl 14,000 ppm
Bit #3: 1820'/68-3/4 hrs.
- September 26, 1980 4345' TD; trip out w/ DST #1. Drilled to 4345' - ran DST #1 in Lansing from 4338-4345', wk blo on initial opening - dead after 2 min. of final opening - test intervals 30/30/30/60 min.; rec. 50' drilling mud - no pressures due to plugging on initial opening. Sample Top Lansing 4332 (-1879'); 1' low to Eddy #1. Had drilling break from 4339-4345' w/ 27 unit gas inc. - samples had good pin point and vugular porosity w/ fl and spotty stain.
- September 27, 1980 Drilling 7-7/8" hole @ 4425' - wt. 9# - vis 40 - WL 7.2 cc - Cl 9000 - 3# LCM.
Bit #4: Smith 7-7/8" F-3 (Serial BE 5946) - 36'/3-3/4 hrs. Finished pulling DST #1. GIR w/ bit - drill 4345-4349'; cond. mud and hole. Ran DST #2 from 4338-4349' in Lansing - had to slide tool 10' to bottom causing tool to plug.
- September 28, 1980 Drilling 7-7/8" hole @ 4730' (355'/24 hrs.) Mud wt. 9 - vis 42 - WL 6.2 cc - Cl 8,000 - 4# LCM.
Bit #4 - 435'/26 hrs.
- September 29, 1980 Drilling 7-7/8" hole @ 5110' (330'/24 hrs.); lm & sh.
Mud wt 9.1 - vis 40 - WL 8.8 cc - Cl 14,000 - 4# LCM
Bit #4: 765'/48-1/2 hrs.
Top Hartman 5063 (-2610') (23' low to Eddy #1) no shows.
- September 30, 1980 Drilling 7-7/8" hole @ 5365'; lm & sh. (255'/24 hrs.)
Mud wt 9.1 - vis 44 - WL 6 cc - Cl 7000 - 5# LCM
Bit #4: 1020'/72 hrs.
- October 1, 1980 Drilling 7-7/8" hole @ 5625'; lm & sh (263'/24 hrs.)
Mud wt 9.2 - vis 46 - WL 9.6 cc - Cl 7000 - 4# LCM.
Bit #4: 1230'/95 hrs.
- October 2, 1980 Drilling 7-7/8" hole @ 5875' (250'/24 hrs.); lm & sh.
Mud wt. 9.1# - vis 48 - WL 9.2 cc - Cl 8500 - 6# LCM
Bit #4: 1530'/117 hrs.
Narrow top 5606 (-3153') 16' low to Eddy #1; 33' high to well in Sec. 5 - no good shows or sand development.
Keating Zone - 40 units gas from 5423-28'; ls w/ poor to vy poor inter-crystalline porosity; yellow to bluish fl - some lt brown stain - poor to some fair cut - not as good as Quinque well in Sec. 4.

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- October 3, 1980 Drilling 7-7/8" hole @ 6080'.
Mud wt 9.1 - vis 55 - WL 8.4 cc - CI 8500 - 7# LCM
Bit #4: 1735'/139-1/4 hrs. (Est. TD @ 6200')
- October 4, 1980 6220' TD; trip out for logs.
Mud wt 9.3# - vis 53 - WL 9.8 cc - CI 8,000 - 4# LCM
Bit #4: Smith F-3 cut 1875'/154-1/4 hrs.
Sample Top St. Gen 5992 (-3539'); 17' high to Sec. 5
Sample Top St. Louis 6072 (-3619')
- October 5, 1980 6220' TD; prep to run casing.
Ran Wellex DIGL and CDL/N logs.
- October 6, 1980 6220' TD; WOC.
Layed down DC - ran open ended DP to 4740'. Spotted 50 sx
Class II thru DP @ 4740' - est. fillup to 4565'. Layed down
DP. Ran 112 jts. 4-1/2" 9.50# ST&C API casing (total tally
4515.75'); set @ 4510'. Cemented w/ 150 sx 50/50 Pozmix w/
18% salt, 10# Gilsonite per sk and 3/4 of 1% CFR-2. Good
circ. - plug down 3:00 a.m. 10/6/80. WOC. Used 6 centralizers
from 4230 to 4500' - scratchers on 5' spacing from 4305-
4380', Guide Shoe and insert float 1 jt. above shoe - est.
PBD 4465'. Float held - set slips and cut off casing -
release rig @ 5:00 a.m. 10/6/80.
- October 23, 1980 HI & RUCT, Boland Well Service of Liberal, Kansas.
- October 24, 1980 Unloaded tbq. Ran 133 jts., 2-3/8" - 4.7#, EUE, 8-Rd tbq.
w/ SN & Hydrojet tool - GO Wireline spotted Hydrojet @
4339'. RD Halliburton & sand notched 2 holes @ 4339' -
reversed out annulus & tbq. w/ 2% KCl water at completion of
"sand notching", RD Halliburton. Ran swab - made 6 pulls,
rec. 24 BLW & lost swab mandrel & cups. POOH 30 stands of
tbq. - SD for darkness. SION.
- October 25, 1980 Finished tripping tubing to retrieve swab. Ran back w/ SN
- open ended to 4330'. Swabbed tubing 10 hours - rec. 75
BW. Last 3 hrs. getting 3 BW/hr. - est. 5 - 10% oil w/ 1-1/2
min. gas burn ahead of swab - working w/ 300' fluid in hole
- CI 54,000 @ SD time. SION.
- October 26, 1980 SICP 40#, SITP 5# - FL @ 3300' - caught sample on 1st swab run
- trace oil w/ CI 106,000. Swab down to 300' fluid in hole
- still only trace of oil. Pulled tubing - set CIBP on GO
wireline @ 4337'. Ran in hole w/ hydro-jet tool on 2-3/8"
tubing. Set tool @ 4321' - checked w/ wireline - ready to
jet casing on Monday. SION.
- October 27, 1980 SD; Sunday.

- October 28, 1980 RU Halliburton; Hydra-jet 2 holes @ 4321' - circulated hole w/ treated water - check sd fillup - sd @ 4327' - circ. out to 4336'. Reset SN @ 4330'. Az w/ 500 gal. 15% MCA acid - acidize @ 1/4 BPM on vac. - disp. @ 3/4 BPM @ 100#; ISIP - vac; 64 BLTR. Swab tubing - rec. 80 bbl. water. Fluid level staying @ 2000' - w/ some scattered fluid below 2000' - fluid very gassy - Cl 118,000 w/ 10% oil. Est. swabbing rate 10-15 BPH. SION.
- October 29, 1980 SITP 50#, SICP 50# w/ FL @ 1700' - had 100' oil on top of first swab pull. S/160 BW in 9-1/2 hrs. (16.84 BPH). FL down to 2300' for last 2 hrs. w/ CP inc. to 110# - 10% oil for last 2 hrs. SION.
- October 30, 1980 SICP 170#; SITP 50# w/ FL @ 1500'. Swab to test tank 8 hrs. - rec. 160 bbl. fluid w/ FL @ 2500' @ 5:00 p.m. - CP 155#.
- October 31, 1980 SICP 220#; SITP 50# w/ FL @ 1500'. Pulled tubing - prep to run temperature differential log to determine source of water being produced.
- November 1, 1980 Ran GO Wireline Service Differential Temp. Logs - ran base log; pumped 90 bbls. treated water down casing and into formation. Made 3 runs w/ logging tools in next 2 hrs. - determined cold fluid going out notch and down on outside of casing - probably thru existing vertical fracture.
- November 2, 1980 Ran Halliburton EZ Drill cement retainer on 2-3/8" tubing - set @ 4265'. Loaded tubing and annulus - take injection rate down tubing - 3 BPM @ 700#. Mix 100 sx Class "H" cement - squeezed to 3000# w/ 35 sx in formation; reverse out cement above retainer - pulled tubing - WOC until 11/3/80.
- November 3, 1980 SD; Sunday
- November 4, 1980 Drilled out retainer and cement - GO to BP @ 4337'.
- November 5, 1980 Pull tubing and bit. Ran tubing back w/ hydra-jet tool - jet 2 holes thru casing @ 4320.5'. Swabbed tubing down to approx. 3850' - SD by darkness - getting KCl water w/ tr. oil and show gas. SION.
- November 6, 1980 FL @ 3600', no pressures tubing or casing, fluid still KCl water, 1 min. burn on 1st pull. Swabbed 9 hrs. - rec. 10 BW w/ tr oil and good sho gas - Cl 70,000 ppm @ end of day - FL staying @ 4200'. SION.

- November 7, 1980 SITP 0 - FL @ 3500' w/ short gas burn ahead of swab - tr oil in fluid. Swab down to 100' above perfs in 1-1/2 hrs. Az w/ 250 gal. 15% HCA acid - max. trtg. press. 250#; avg. trtg. press. 200#; ISIP - 0; to vac. in 1 min.; 64 BLTR; AIR 1/4 BPM. Swabbed tubing 5 hrs. - rec. 80 BF - fluid level staying @ 3600' w/ est. 5 - 7% oil - good gas blow ahead of swab. SION.
- November 8, 1980 SICP 100#, SITP 50#. Swabbed to test tank 9 hrs. - rec. 105 bbl. fluid w/ good show gas and trac oil. SION.
- November 9, 1980 SICP 100#, SITP 50#. Drew water off test tank - found 3" extra oil from amount in tank from previous test. Prod. 4.98 BO - 100.02 BW in 9 hrs. swabbing on report of 11/8/80. This is 4.7% oil. Pulled tubing to remove hydra-jet tool. Ran back w/ 132 jts. 2-3/8" tubing, SN and mud anchor; SN @ 4325' - bottom of mud anchor @ 4336'. SI well and release rig.
- November 25, 1980 MI Boland Well Service completion rig. Pulled 2-3/8" tubing. Perforated 1 hole @ 4318, 4319, 4327, 4328, 4329, 4330, 4331, 4332, 4333 and 4334 - 10 holes total. Ran tubing open ended to 4334'. Made 3 runs w/ swab - SD by darkness.
- November 26, 1980 SITP, CP 0#, FL @ 1800' - swabbed 131 bbls., FL @ 3600' - gauged approx. 9% oil in swab tank. SION.
- November 27, 1980 SITP 10#, CP 50#, FL @ 2400' - swabbed 43 bbls., FL @ 3000' - gauged approx. 12% oil in swab tank. RD & MC Boland Well Service.

CHRONOLOGICAL OPERATIONS SUPPLEMENT

B & B Farm Industries, Inc.
Eddy #2
C NE NE; Section 6-35S-30H
Meady County, Kansas

- February 5, 1981 MI&RU service unit to pull tubing and run rods and pump. Pulled tubing. Ran back w/2-3/8" x 10' mud anchor (bull plugged w/3-1/4" x 12" slots cut below upset), pump barrel (16.90'), 131 jts. 2-3/8" EUE tubing, 1-2-3/8" x 8' sub, 1 -2-3/8" x 4' sub. Touched bottom - picked up 2' above PBD. Ran pump plunger and 100 3/4" x 25' used rods. SD for night.
- February 6, 1981 Finished running rods - total of 172 - 3/4" x 25' rods, 3 - 3/4" x 4' rod subs, 1-1/4" x 16' polished rod w/1-1/4" x 1-1/2" x 8' liner - hung on beam. Started engine @ 3:30 p.m. 2/5/81 - pumped up @ 4:00 p.m. - started pumping to battery.

*Mailed
4/16/81*

CHRONOLOGICAL OPERATIONS

B & B Farm Industries, Inc.
Eddy #2
NE NE; Sec. 6-35S-3011
Meade County, Kansas

April 14, 1981 Patrick Well Service MI & RU. Pulled rods to body break on 35th. rod. Pulled rod string, pump and tubing. Prep. to az perfs. 4318 - 4334'.

April 15, 1981 RU Halliburton to az w/1000 gal. 10% acetic acid as follows: pumped 500 gal. salt water w/300# TLC-80 diverter; pumped 1000 gal. 10% acetic acid; & displaced w/150 bbl. salt water. Max. press. 3000#, ATP 1000# @ AIR 7 BPM; ISIP 400# to vac. in 3 min. - 186 BLTR. RIH w/MA, pump barrel, tbq. catcher & tbq. string - set tubing catcher & pulled 12,000# tension on tbq. string. RIH w/GA, pump plunger & rod string. Hung on unit & began pumping to tank battery. RD & MO Patrick Well Service.

CHRONOLOGICAL OPERATIONS

B & B Farm Industries, Inc.
Eddy #2
C NE NE; Section 6-35S-30W
Meade County, Kansas

API Number: 15-119-20,431

8-5/8" casing @ 1457' w/ 700 sx cement
4-1/2" casing @ 4510' w/ 150 sx cement
PBD 4740 (1st plug)
PBD 4337 (2nd plug)
Perfs: 4318 - 4334'

- December 4, 1981 Midwest Casing Pulling Service MIRU.
- December 5, 1981 Pumped 15 sx cement mixed w/ 1 sk hulls to 4150' - pressured to 1000#. Shot pipe @ 3627' - unable to work loose. Shot @ 2647' and 2442' - worked loose @ 2442'. Layed down 1400' of 4 1/2" casing.
- December 6, 1981 Pumped 35 sx cement 1400' to 1300' - displaced w/ gel. Pulled and layed down rest of 4 1/2" casing - 61 jts. total. Bridged inside 8-5/8" casing @ 40' - filled w/ 10 sx cement from 40' to 3'. Cleaned out cellar - cut off 8-5/8" casing 3' below GL. Rig down & MO.
(Total recovery 2442' of 4 1/2" 9.50# STBC casing - 61 jts.)

Eddy #2

C NE NE
Sec 6-35S-30W
Meade Co, Ks

8 5/8" @ 1457'

4318 ① (Perf)
4319 ①
Notch @ 4321
4327
⑧ (Perf)
4334

tubing open ended to 4334'

CIBP @ 4337'
Notch @ 4339'

PBD

4 1/2 @ 4510'
150 SX

SDSX @ 4740' PB

6220 TD

STATE OF KANSAS
STATE CORPORATION COMMISSION

WELL PLUGGING RECORD

Give All Information Completely
Make Required Affidavit
Mail or Deliver Report to
Conservation Division
State Corporation Comm.
245 North Water
Wichita, KS 67202

Meade County, Sec. 6 Twp. 35 Rge. 30 NE/
Location as "NE/CNW\SW\1" or footage from lines
C NE NE

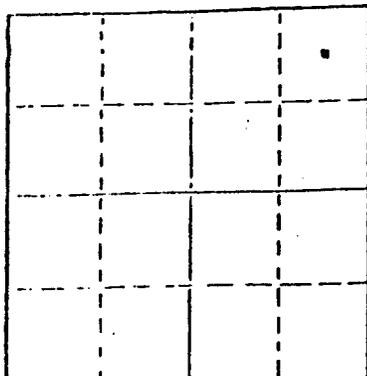
Lease Owner B & B Farm Industries Inc.
Lease Name Eddy Well No. 2
Office Address Box 638, Spearman, TX 79081
Character of Well (Completed as Oil, Gas or Dry Hole)
Oil

Date Well completed 10-6-81 19
Application for plugging filed 6-22-81 19
Application for plugging approved 7-1-81 19
Plugging commenced 12-3-81 19
Plugging completed 12-5-81 19
Reason for abandonment of well or producing formation
Non Commercial Value

If a producing well is abandoned, date of last production
5-31-81 19

Was permission obtained from the Conservation Division or
its agents before plugging was commenced? yes

Name of Conservation Agent who supervised plugging of this well Mr. Luthi
Producing formation Lansing Depth to top 4315 Bottom 5040 Total Depth of Well 6220
Show depth and thickness of all water, oil and gas formations.



Locate well correctly on above
Section Plot

OIL, GAS OR WATER RECORDS

CASING RECORD

FORMATION	CONTENT	FROM	TO	SIZE	PUT IN	PULLED OUT
Surface				8 5/8"	1457'	0
Production				4 1/2"	4513'	2442'

Describe in detail the manner in which the well was plugged, indicating where the mud flu
was placed and the method or methods used in introducing it into the hold. If cement or othe
plugs were used, state the character of same and depth placed, from _____ feet to
_____ feet for each plug set.

Pumped 1 sks. hulls & 15 sks. cement to 4150' - pressured to 1000 lbs.
Shot off casing @ 2442'
Displaced to 1400' w/mud
Pumped 35 sks. cement 1400' to 1300'
Displaced to 40' w/mud
Put bridge & 10 sks. cement 40' to 0'
Cut off 8 5/8", 3' below ground level

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

Name of Plugging Contractor Midwest Casing Pulling Service
Permit # 766

STATE OF KANSAS COUNTY OF HASKELL, ss.
I, Edgar J. Eves (~~owner or operator~~) or (owner or operato
of the 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 and that the same are true and correct. So help me God.

(Signature) Edgar J. Eves
Box F, Sablette, Ks. 67877
(Address)

SUBSCRIBED AND SWORN TO before me this 7th day of December, 19 81

Sandra L. Eves
Notary Public.

My commission expires 12-6-84

