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11-29 15-151-21707-0000349 R

To: STATE CORPORATION COMMISSION
CONSERVATION DIVISION - PLUGGING SECTION
200 COLORADO DERBY BUILDING
WICHITA, KANSAS 67202

API NUMBER 15- D-24.366

NE NE SE, SEC. 20, T 26 S, R 12 W/R

2310 feet from S section line

330 feet from E section line

TECHNICIAN'S PLUGGING REPORT

Operator License # 9232

Lease Name Welch Well # 1

Operator: Timberline Oil & Gas Corporation

County Pratt 169.33

Name & Address 105 East 8th

Well Total Depth 5210 feet

Pratt, KS 67124

Conductor Pipe: Size feet

Surface Casing: Size 9 5/8 feet 330' KB

Abandoned Oil Well Gas Well Input Well SWD Well X D&A

Other well as hereinafter indicated

Plugging Contractor Timberline Oil & Gas Corporation License Number 9232

Address 105 East 8th, Pratt, KS 67124

Company to plug at: Hour: Day: 27 Month: 7 Year: 19 89

Plugging proposal received from Terry McCune

(company name) Timberline Oil & Gas Corporation (phone) 316-672-9476

were: 7" at 4615' KB Open hole at 4615-5210'

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(TECHNICIAN) CONSERVATION DIVISION
Wichita, Kansas

Plugging Proposal Received by

Plugging Operations attended by Agent?: All X Part None

Operations Completed: Hour: 11 a.m. Day: 29 Month: 11 Year: 19 89

ACTUAL PLUGGING REPORT 1st plug-see attached field report,

11/28/89 - Great Guns perforated 7" casing at 450' KB. Loaded hole with water. Took injection rate. Allied mixed and pumped down 7" casing with 150 sx 60/40 Pozmix 2% gel, 3% cc. Pumping pressure 0#. Well went on vacuum. Vacuum decreased with 2 1/2 barrels of slurry still in pipe. Start time 10 a.m., completion time 12 p.m. Measuring line run on well later in day. Cement gone.

11/29/89 - Loaded hole with water. Took injection rate. Mixed and pumped down 7" casing with 100 sx 60/40 Pozmix 2% gel, 3% cc. Shut down. Well went on slight vacuum. Took 7 bbls. of water. Vacuum stopped. Resumed mixing cement. Mixed six more sx 60/40 Pozmix 2% gel, 3% cc. Pressure went to 200#. Shut down for 10 min. Re pressured to 250#. Held. Left pressure on for 30 min. Bled pressure off. Cement did not try to come back. (over) Remarks: Used 60/40 Pozmix 2% gel, 3% cc by Allied. No casing recovery.

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

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observe this plugging.

Signed Stephen J. Pfeifer (TECHNICIAN)

DATE
WIK. NO. 26272
11-29

CONT.

Repressured to 200# and shut in over night. Maximum pressure 250 psi and shut in 200 psi. Start time 9 a.m., completion time 11 a.m. Total cement mixed on 11/28 and 29/89 was 256 sx, approximately 200 sx cement is out in formation.

11/30/89 - I met Terry McCune on location at 8:30 a.m. Pulled swedge out of 7" casing to check cement top. Found fluid at surface and cement down 9'. Plugging of the Welch SWD #1 is completed.

~~CONFIDENTIAL~~
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15-151-21707-0000

KCC OIL/GAS REGULATORY OFFICE

DATE 7/27/89

[] New Situation
[] Response to Request
[X] Follow-up

OPERATOR Timberline Oil & Gas Corp. # 9232

NAME 105 East 8th

LOCATION NE NE SE , SEC 20 , T 26 S, R 12 W 1/4

& ADDRESS Pratt, KS 67124

LEASE Welch Well # SWD-1

PHONE NO. OPER. 316-672-9476 OTHER

COUNTY Pratt

REASON FOR INVESTIGATION:

PROBLEM:

PERSON(S) CONTACTED:

FINDINGS: 7/27/89 Update on plugging of SWDW: Bayse Well Service was on the hole.

Great Guns set a cement retainer at 620'KB (KB=10'). Ran 2 3/8" tubing and stinger in hole. B.J. Titan cemented through the cement retainer with 150 sx common cement w/3%

KCL and bonding agent. Foaming agent and nitrogen was incorporated into the cement to lighten up. Slurry weight w/nitrogen and foaming agent incorporated = 5# per gallon.

Maximum pressure = 1800#. Average pumping pressure = 1250#. Prior to pulling the stinger out of the cement retainer, pressure = 1000#. Began pumping at 4:30 p.m., completed at 4:45 p.m. Moved off hole to let cement set. Will return to perforate above cement retainer and squeeze.

ACTION/RECOMMENDATIONS:

photos taken:

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CUSTOMER SERVICE DIVISION
Wichita, Kansas

Retain 1 copy Joint District Office
Send 1 copy Conservation Division

By Stephen J. Pfeifer

8/2/89

LEASE INSPECTION

COMPLAINT

FIELD REPORT

LEASE INSPECTION

- YES NONE COMMENTS
- I.D. Sign
 - Tank Battery ; Condition: good questionable overflowing
 - Pits, tank battery ; Fluid depth ___ft.; approx. size ___ft x ___ft
 - Pit, injection site ; Fluid depth ___ft.; approx. size ___ft x ___ft
 - Gas venting
 - Oil spill evidence
 - Saltwater evidence ; Surface flow _____; seepage_____
 - Saltwater pipelines ; Seepage visible Yes/No; tested for leaks Yes/No
 - Flowing holes
 - Abandoned wells
 - TA wells ; Potential poll. prob._____; currently producing_____
 - SWD/ER Injection well ; Permit # _____ Pressure-actual _____ psi, Authorized _____ psi
 - SWD/ER Injection well ; Permit # _____ Pressure-actual _____ psi, Authorized _____ psi
 - SWD/ER Injection well ; Permit # _____ Pressure-actual _____ psi, Authorized _____ psi
 - SWD/ER Injection well ; Permit # _____ Pressure-actual _____ psi, Authorized _____ psi
 - Monitoring records
 - Gauge connections ; tubing _____; T/C annulus _____; C/SP annulus _____
 - Gauge connections ; tubing _____; T/C annulus _____; C/SP annulus _____
 - Gauge connections ; tubing _____; T/C annulus _____; C/SP annulus _____
 - Gauge connections ; tubing _____; T/C annulus _____; C/SP annulus _____

Lease cleanliness: very good _____ satisfactory _____ poor _____ very bad _____

Water samples taken _____

Reports prepared _____

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Welch #1

KB=10' Anhydrite 740-760' KB

Hole in casing at 812' KB, Hutchinson Salt at 1262-1917' KB

Junk in hole = 3½" fiberglass tubing set at 4770'. Tubing parted.

Top of tubing at 1212' KB.

Plugging attempt made on 1/30/89 - Well was perforated at 1100' and a 7" wiper plug was pumped to 1212' KB. (See Richard Lacey's report, 1/30/89.)

Plugging attempt on 1/31/89:

Start at 9 a.m.

Pumped down 2 7/8" workstring set at 716' KB and tubing and casing annulus with 320 barrels of drilling mud.

Follow drilling mud with 300 sx salt saturated cement with 6% gel. Gel was pre-mixed and blended in with cement. Pumped cement through 2 7/8" tubing set at 716' KB.

Ran Tubing into 861' KB and hit cement bridge.

Pumped 100 sx 60/40 Pozmix w/3% cc through tubing at 861' KB. Pulled tubing out of hole. Let cement set for two hours.

Ran tubing back in hole and tagged cement at 844' KB. Set tubing at 800' KB and pumped 100 sx 60/40 Pozmix 3%cc. Pulled tubing out of hole. Shut down at 4 p.m. Going to tag cement top in A.M. of 2/1/89.

2/1/89 Received a call at the district office from Brant Grote with Timberline at 9:30 a.m. They had tagged cement top at 844' KB.

2/2/89 Pressured up surface pipe annulus to 350#. Backside had been squeezed with 150 sx prior to well plugging operations.

2/2/89 Checked casing w/tubing and packer for holes. Casing good to 632'. Found holes below 770'.

2/1/89 Additional cement was pumped in hole. Quantity unknown.

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Winifred, Kansas

Welch #1

Richard Lacey

1/30/89

10 a.m. Perforated at 1100'.

Pushed rubber plug to 1212'.

Pumped 10 barrels of gel down tubing at 1200'.

Pumped 80 barrels of gel down 7".

Pumped 25 sx common 3% cc down tubing at 1200'.

Waited one hour and went in to tag cement.

No fill up.

1:30 p.m. Pumped 25 sx common 3% cc down tubing at 1200'.

1:30-2:30 p.m. WOC

2:30 p.m. Went into hole to tag cement. No fill up.

Ran tubing to 1200', pumped 25 sx common 3% cc.

2:30-3:30 p.m. WOC

3:30-4 p.m. Trip into hole to tag cement. No fill up. Ran tubing to

1200', pumped 18 sx common 3%. Tripped out of hole with tubing.

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CONSERVATION DIVISION
Wichita, Kansas

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Welch SWD-1 (NENESE 20-263-12W)
(API # 151-21,707)

Ground Level (KB=10')

150 sx cement Pumped
down Annularis

330'

Total Pumped down 7" casing
as of 7/24/89 = 1285 sx various
cements, 500 bbl Heavy Mud, 6211, 2CM.

7" Tested (w/Packer) to 654' GL
and held. Would not hold
pressure at 687'.

Anhydritic (Stone Corral) 740'-760' KB

hole at 812' KB

834 Tagged cement on
2/1/89

perfs at 1100' KB

wiper Plug at 1212' KB

Hutchinson Salt 1262'-1917' KB

Casing Collapse 1294' KB

8 3/4" hole

Cement to approx 4000'

4617' 7" Casing 23#

3 1/2 fiberglass at 4770'

5210' TD

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