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10-7
API NUMBER 19- 007-21,102 -0000

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

NW SE SW, SEC. 5, T. 35 S, R. 12 W

990 feet from S section line

3630 feet from E section line

TECHNICIAN'S PLUGGING REPORT

Operator License # 4519

Lease Name School Trust Well # 16-5

Operator: Chevron U.S.A. Inc.

County Barber 161.68

Name & Address P.O. Box 36366

Well Total Depth 4975 feet

Houston, TX 77236

Conductor Pipe: Size feet

Surface Casing: Size 8 5/8 feet 402

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

Other well as hereinafter indicated

Plugging Contractor Clarke Corporation License Number 5105

Address P.O. Box 187, Medicine Lodge, KS 67104

Company to plug at: Hour: 8:30 a.m. Day: 7 Month: 10 Year: 19 91

Plugging proposal received from Dink Klutts

(company name) Chevron USA Inc. (phone) 713-561-3821

were: 5 1/2" at 4975' w/250 sx cement, PBD 4925', Perfs at 4844-4852'

1st plug set cast iron cement retainer at 4695', test casing, displace hole from 4695' -

600' w/9# drilling mud. Pump 25 sx cement through retainer and put 10 sx cement on top

of retainer. 2nd plug perforate at 700', set cement retainer at 650', cement 5 1/2" X 8 5/8"

annulus through tubing and cement retainer from 700' to surface. Pull out of cement

retainer and fill casing. Plugging Proposal Received by Steve Pfeifer

(TECHNICIAN)

Plugging Operations attended by Agent?: All X Part None

Operations Completed: Hour: 10 a.m. Day: 7 Month: 10 Year: 19 91

ACTUAL PLUGGING REPORT Set cast iron cement retainer at 4695', tested casing to 300#-

held. Displaced hole from 4695-600' w/9# drilling mud. Pumped 25 sx cement through

retainer and put 10 sx cement on top of retainer. Used common cement Class A by B.J. Services.

Perforated at 700', set cement retainer at 650'. Cemented 5 1/2" X 8 5/8" annulus through

tubing and cement retainer from 700'-surface. Pumping pressure 500 psi. Pulled out of

cement retainer and filled 5 1/2" casing with cement. Cement used on 5 1/2" X 8 5/8" annulus=

(OVER)

Remarks: Used common cement by B.J. Services. No casing recovery.

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

INVOICED

(Observe this plugging.)

DATE 11-6-91

10-15-91
OCT 15 1991

Signed *Steve Pfeifer*
(TECHNICIAN)

INV. NO. 33619

190 sx. Cement used in 5½" casing=75 sx cement.

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U = 010 201
STAC
11/11/11



DUAL INDUCTION - LATEROLOG

COUNTY BARBER
 FIELD HARDTNER
 LOCATION SEC. 5-32S-12W
 WELL SCHOOL TRUST NO. 16-5
 COMPANY GULF OIL EXPLORATION & PRODUCTION CO.

COMPANY GULF OIL EXPLORATION & PRODUCTION COMPANY
 WELL SCHOOL TRUST NO. 16-5
 FIELD HARDTNER
 COUNTY BARBER STATE KANSAS

LOCATION 100' N OF W/2- SE/4-SW/4
 Other Services: CNL/FDC-GR
 API SERIAL NO. SEC. TWP RANGE
 5 32S 12W

Permanent Datum: GROUND LEVEL; Elev.: 1447
 Log Measured From K.B. 9 Ft. Above Perm. Datum Elev.: K.B. 1457
 Drilling Measured From K.B. D.F. G.I. 1447

Date	1-28-81		
Run No.	ONE		
Depth-Driller	4975		
Depth-Logger (Schl.)	4979		
Btm. Log Interval	4973		
Top Log Interval	404		
Casing-Driller	8 5/8 @ 402	@	@
Casing-Logger	404		
Bit Size	7 7/8		
Type Fluid in Hole	FRESH MUD		
Dens.	9.8	48	
Visc.			
pH	8.8	20.4ml	ml
Fluid Loss			
Source of Sample	CIRCULATED		
Rm @ Meas. Temp.	.508 @ 62 °F	.274 @ 115 °F	@ °F
Rmf @ Meas. Temp.	.407 @ 55 °F	.195 @ 115 °F	@ °F
Rmc @ Meas. Temp.	@ °F	@ °F	@ °F
Source: Rmf	M		
Rmc			
Rm @ BHT	.274 @ 115 °F	@ °F	@ °F
TIME	Circulation Stopped 0100		
	Logger on Bottom 0400		
Max. Rec. Temp.	115 °F	°F	°F
Equip. Location	7714	GREAT BEND	
Recorded By	INGRAHAM		
Witnessed By Mr.	JACKSON, REHM		

The well name, location and borehole reference data were furnished by the customer.

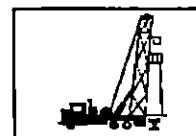
Run No.	SCALE CHANGES	
	Type Log	Depth
ONE	Scale Up Hole	Scale Down Hole
151123		
FULL		
60		
15 000		
EQUIPMENT DATA		
459	Panel	
224	Cartridge	
278	Sonde	
457	Memorizer Panel	

KON

15-007-21102-000



CHEVRON U.S.A. INC.
CENTRAL PRODUCTION BUSINESS UNIT
MID-CONTINENT DISTRICT



WORKOVER & COMPLETION PROCEDURE

PREPARED BY: M. V. Carpenter DATE: September 12, 1991

WELL NO.: 16-5 LEASE: School Trust FIELD: Hardtner

COUNTY: Barber STATE: Kansas API#: 15-007-21102

DIRECTIONS TO LOC: _____

PROJECT DESCRIPTION: Plug & Abandon

TD: 4975' PBSD: 4925' TYPE PLUG: _____

CORRELATION LOG:

ELEC LOG: RUN #: _____ DEPTH: _____ COMPANY: _____
TYPE: _____ DATE: _____

LAST CASING SETTING:

SIZE 5 1/2" WT 14# GR K-55 THD STC DEPTH 4975' MAX BIT SIZE 4 3/4"
TOC _____

LINER SETTING:

SIZE N/A WT _____ GR _____ THD _____ TOP _____ BTM _____
MAX BIT SIZE _____

PRODUCTION PACKER:

SIZE N/A TYPE _____ DEPTH _____ RELEASE _____

TUBING SETTING:

SIZE None WT _____ GR _____ THD _____ DEPTH _____ MIN ID _____

PRESENT PERFS: 4844-52' Mississippi Perfs

PROPOSED PERFS: 700'

FLUID IN ANNULUS: Produced Fluid

SPECIAL NOTES AND REQUIREMENTS:

- A) Contact AOS - Don Ferland - Pampa (806) 665-1614; and OS John Clarke @ Medicine Lodge (316) 886-3603.
- B) Notify Kansas Corp. Comm. Dist. 1 in Dodge City at least 5 days before starting P & A. (316) 225-6760.

PLAN OF PROCEDURE:

- 1) Check well, bleed off pres, kill if necessary. MIRU rig, NU BOPs. MIRU WL. RIH w/ GR & JB to ±4800'. RIH & set CICR @ ±4700'. RD WL.
- 2) PU stinger & RIH PU WS. Circ hole w/ P&A mud. Pres test casing to 300 psi. Sting in and sqz 25 sx cmt below CICR, sting out and spot 10 sx on top.
- 3) POH LD all but 650' of tbg. MIRU WL. Perf sqz holes @ 700'. RIH & set CICR @ ±650'. RIH w/ stinger. Open casing valve & attempt to estab. circ to surf. If circ is established, circ cmt to surf; if not pump enough cmt to place cmt to 550' behind the production string. Sting out & spot cmt plug 650' to surf. POH LD tbg, fill casing up w/ cmt. ND BOPs, RD MO rig.
- 4) Cut off casing deep enough as to not interfere with cultivation and weld on cap. Back fill and restore location.

Tubular Data:

5 1/2" 14# casing - 5.012" ID, .0244 bbl/ft
5 1/2" x 2 3/8" annulus .01892 bbl/ft
2 3/8" tubing 1.995" ID, .0038 bbl/ft

RECEIVED
STATE CORPORATION COMMISSION

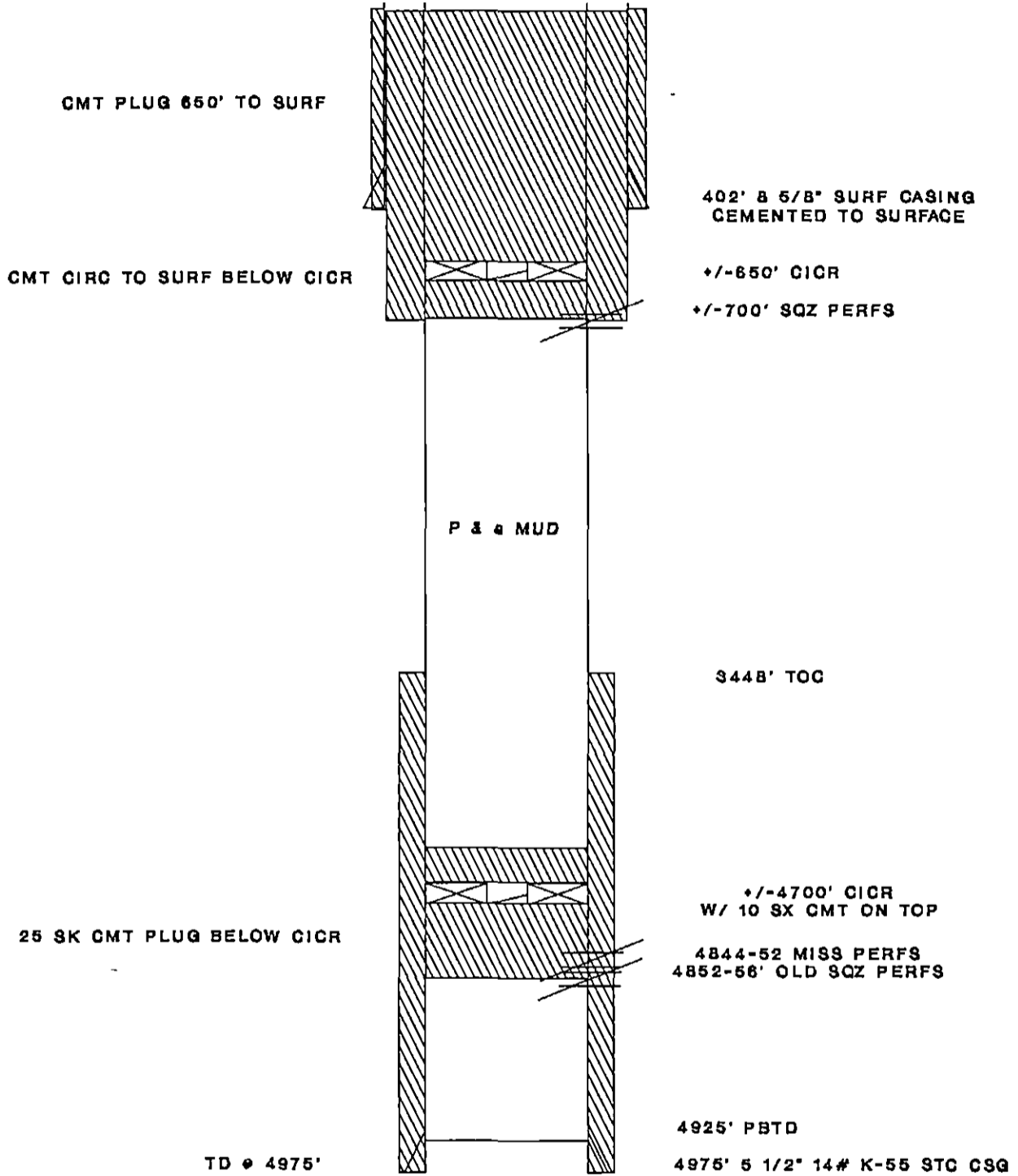
SEP 17 1991
9-17-91
REGISTRATION DIVISION
Wichita, Kansas

FOSTER\MCKEE6.MLG

CHEVRON U.S.A. WELLBORE SCHEMATIC

WELL: SCHOOL TRUST 16-5 HARDTNER FIELD PROPOSED X

PREP. BY: M. V. CARPENTER DATE: 9/12/91 PRESENT...



CMT PLUG 650' TO SURF

CMT CIRC TO SURF BELOW CICR

402' 8 5/8" SURF CASING
CEMENTED TO SURFACE

+/-650' CICR

+/-700' SQZ PERFS

P & MUD

3448' TOC

25 SK CMT PLUG BELOW CICR

+/-4700' CICR
W/ 10 SX CMT ON TOP

4844-52 MISS PERFS
4852-58' OLD SQZ PERFS

4925' PBT

TD @ 4975'

4975' 5 1/2" 14# K-55 STC CSG

RECEIVED
STATE CORPORATION COMMISSION

SEP 17 1991
9-17-91
CONSERVATION DIVISION
Wichita, Kansas