

STATE CORPORATION COMMISSION OF KANSAS
OIL & GAS CONSERVATION DIVISION
RECOMPLETION FORM
ACD-2 AMENDMENT TO WELL HISTORY

API No. 15- 189-20938-R ⁰⁰⁰¹
COUNTY STEVENS
C SE SE Sec 12 Twp 32S Rge 36 East
 West
660 Ft North from Southeast Corner of Section
660 Ft West from Southeast Corner of Section
(Note: Locate well in section plat below)

Lease Name DUDLEY #2 UNIT WELL # 4
Field Name HUGOTON
Name of New Formation CHASE
Elevation: Ground 3028 FT. KB 3039 FT.

Operator: License # 3208
Name MOBIL OIL CORPORATION
Address P.O. BOX 5444
City/State/Zip DENVER, COLORADO 80217

Purchaser SOLD ON SPOT MARKET
Transporter ENRON CORPORATION

Operator Contact Person B. R. MAYNARD
Phone (303) 298-2069

Designate Type of Original Completion
 XX New Re-Entry Workover
 Oil SWD XX Temp Abd
 Gas Inj Delayed Comp.
 Dry Other (Core, Water Supply, etc.)

Date of Original Completion: 12-26-86 (TA'D)

DATE OF RECOMPLETION
4-22-88 Commenced 5-6-88 Completed

Designate Type of Recompletion / Workovers:
 Deepening XX Delayed Completion
 Plug Back Re-perforation
 Conversion to Injection / Disposal

Is recompletion production:
 NA Commingled; Docket No.
 Dual Completion; Docket No.
 Other (Disposal or Injection)?

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Wichita, Kansas

SECTION PLAT

			*

K.C.C. OFFICE USE ONLY

F Letter of Confidentiality Attached
C Wireline Logs Received
C Drillers Timelog Received

Distribution
 KCC SWD/Rep NSPA
 KGS Plug Other (Specify)

11-21-88

INSTRUCTIONS: This form shall be completed in triplicate and filed with the Kansas Corporation Commission, 200 Colorado Derby Building, Wichita, Kansas 67202, within 120 days of the recompletion of any well. Rules B2-3-107 and B2-3-141 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 B2-3-107 for confidentiality in excess of 12 months. One copy of any additional wireline logs and driller's time logs (not previously submitted) shall be attached with this form. Submit ACD-4 prior to or with this form for approval of commingling or dual completions. Submit CP-111 with all temporarily abandoned wells. NOTE: Conversion of wells to either disposal or Injection MUST receive approval before use; submit form U-1.

All requirements of 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 B. R. Maynard B. R. MAYNARD Title REGULATORY COMPLIANCE ENGINEER Date 11-17-88

Subscribed and sworn to before me this 17th day of November 19 88

Notary Public Joyce George Date Commission Expires 1/3/91



SIDE TWO

Operator Name MOBIL OIL CORPORATION Lease Name DUDLEY #2 UNIT Well # 4

Sec 12 Twp 32S Rge 36 XX East
West County STEVENS

RECOMPLETION FORMATION DESCRIPTION
XX Log _____ Sample

Name	Top	Name	Top
CHASE	2606'	GAGE	2744'
PADDOCK	2625'	TOWANDA	2764'
UPPER KRIDER	2634'	HOLMESVILLE	2821'
LOWER KRIDER	2664'	FT. RILEY	2825'
ODEL	2698'	WREFORD	2906'
WINFIELD	2710'	COUNCIL GROVE	2948'

CONTINUED TOP RIGHT

ADDITIONAL CEMENTING/SQUEEZE RECORD

Purpose:	Depth Top Bottom	Type of Cement	# Sacks Used	Type & Percent Additives
Perforate				
Protect Casing				
Plug Back TD				
Plug Off Zone				

Shots Per Foot	PERFORATION RECORD Specify Footage of Each Interval Perforated	Acid, Fracture, Shot, Cement Squeeze Record
5 SHOTS	2825'-2845'	ACIDIZED W/1000 GALS 15% FeHCL ACID
5 SHOTS	2635'-2650'	ACIDIZED W/5350 GALS 15% INHIBITED FeHCL ACID
9 SHOTS	2664'-2696'	FRAC'D 2635'-2790' W/88,880 GALS 30# W6-11 GEL W/K-38 BDRATE X-LINKER AND
5 SHOTS	2716'-2744'	238,000# 8/16 MESH SAND.
4 SHOTS	2766'-2790'	

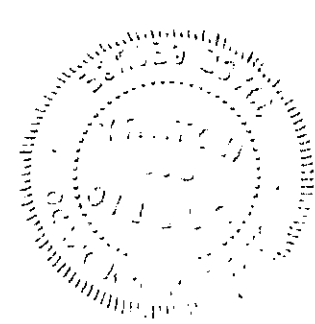
PBTD 2815 FT. Plug Type CAST IRON BRIDGE PLUG

TUBING RECORD:

Size NONE Set At _____ FT. Packer At _____ FT. Was Liner Run Y XX N

Date of Resumed Production, Disposal or Injection 10-7-88

Estimated Production Per 24 Hours: 0 bbl/oil 0 bb/water
800 MCF gas NA gas-oil ratio



MOBIL DAIL COMPLETION OR WORKOVER REPORT

L.C. - 26196
6ET1

L NAME AND NO. DUDLEY #2 UT WELL #4 AFE # _____

E 4-2388	REPORT NO. 2	COMP. STARTED 4-22-88	STATUS <u>Prep to Acidize</u>
VR <u>Perdue</u>		FIELD <u>HUGOTON</u>	FORMATION <u>Chase</u>
<u>P. M. Brewer</u>		AREA <u>HUGOTON</u>	PERFS <u>2635-2845</u> O.A.
<u>Broce #1</u>		COUNTY <u>STEVENS</u>	
<u>3039 ZERO G.L. 3028</u>		STATE <u>KANSAS</u>	
<u>6420</u>		MOBIL W.I. <u>100%</u>	
<u>4517 (BP) FROM</u>		JOB CLASSIFICATION <u>B.C. 12</u>	

WELL WATER BELLS OIL 'MDF				LWR TO	
Y REC.				GAS SP. GRAV. _____	
L REC.				OIL GRAV. _____ @ _____ °F	
D				CHLORIDES _____	
T TO REC.				ACID _____ FRAC _____	

TGB/WB/DP DATA

DP	Ø/FT	GRADE	CONNECTION	LENGTH
2 3/8"	4.7	J-55	Ø RD EUE	4600'

DM	TO	HRS.	OPER CODE	DESCRIPTION OF OPERATIONS
00	1100	3	311	R.O. w/clex, ^{TEST TO 1500 PSI OK} SET CIBP AT 3200', RUN Pre-Frac Casing log for Correlation from 3160' to 2300'
30	1300	2	699	R.O. swab, swab fluid down to 2400'
00	1330	1/2	636	R.O. w/clex, Perforate interval 2825' to 2845' w/4" csg gun loaded w/23gram charges at 120° phasing w/1shot every 5FT.
30	1430	1	318	R.O. swab, swab csg dry, Recovered 27 BBLs 2% KCL water (that ^{water} was left in csg when we perforated)
30	1600	1/2	318	Swabbing from 3200' csg dry, no fluid made a run every 30 mins dry, (no gas) SDFN

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Wichita, Kansas

AFE APPROVED		ACTUAL	
BY HOLE	8	DAILY COMP.	49.23
IMPLETED	8	PREVIOUS COMP.	2440
EXPENDED	8	CUMULATIVE COMP.	7363
TOTAL DISC	8	SUSPENDED COST:	---
		ACCUM. COST:	---

316 - 624 - 7254
Room #108

316 - 624 - 0031
mobile

MOBIL DAIL COMPLETION OR WORKOVER REPORT

L.C. - 20186
6ET1

LL NAME AND NO. DUDLEY #2 WELL # 4 AFE # _____

DATE <u>4-24-88</u>	REPORT NO. <u>3</u>	COMP. STARTED <u>4-22-88</u>	STATUS <u>Prep To Test Ft Riley</u>
WELL NAME <u>Perdue</u>		FIELD <u>HURON</u>	FORMATION <u>Chase</u>
BY <u>P. M. Brewer</u>		AREA <u>HURON</u>	PERF'S <u>2635-2845 O.A.</u>
<u>Bruce #1</u>		COUNTY <u>Stevens</u>	CABLE DETAIL
<u>3039 ZERO G.L. 3028</u>		STATE <u>Kansas</u>	
<u>6420</u>		MOBIL WJ. <u>100%</u>	<u>8 5/8" 24# K-55 ST&C</u> @ <u>1791'</u>
ID <u>4517 (DP) FROM</u>	JOB CLASSIFICATION <u>B.C. RECEIVED</u>	STATE <u>KANSAS</u>	<u>5 1/2" 14# K-55 ST&C</u> @ <u>4984'</u>

LY REC.	46	GAS SP. GRAY.	NOV 21 1988	TGB/WB/DF DATA			
M. REC.	46	OIL GRAY.	CONSERVATION DIVISION	Ø/FT	GRADE	CONNECTION	LENGTH
ID	46	CHLORIDES	Wichita, Kansas	2 3/8"	4.7	J-55	8 RD EUE 4600'
T TO REC.	0	ACID <input checked="" type="checkbox"/> FRAC					

OM	TO	HRS.	OPER. CODE	DESCRIPTION OF OPERATIONS
00	0800	1	318	SIOP - 75 PSI TIH w/swab check fluid level (No fluid)
00	0900	1	657	PU up halliburton isolation PKY spaced for 10' interval w/SN TIH w/PKY, SN, 2 3/8" TBG Pressure Test to 3000 PSI (OK)
00	1030	1 1/2	657	Halliburton acidized formation interval 2825-2845 in 10' intervals w/1000 gals 15% FeHCL acid down 2 3/8" TBG, Tagged w/ Scandium-46 radioactive isotope, flushed w/ 2% KCL water ISIP - 1400 PSI Breakdown 1400 PSI max PSI = 1400 at 3 BPM, 5 min = 0 PSI
30	1100	1/2	657	Fish standing valve from PKY.
00	1200	1	657	TOH w/TBG, PKY, Lay down PKY.
00	1500	3	680	Swabbing, Swabbed well down to 3200' Recovered total of 32.5 BBL wtr, acid
00	1830	3 1/2	680	Swabbing from CIBP at 3200'
				Time FL BW Time FL BW
				1600 3000 8 BBL 1800 2800 4.5 BBL
				1700 3000 1 BBL SDPN

AFE APPROVED		ACTUAL	
MOLE	8	DAILY COMP.	4966
HEATED	8	PREVIOUS COMP.	7363
RENDER	8	CUMULATIVE COMP.	12.329
ALDAG	8	SUSPENDED COST:	—
		ACCUM. COST.	—

316-624-7254
Room # 108
316-624-0031
mobile

MODIL DAIL COMPLETION OR WORKOY REPORT

L.C. - 26196
6ET1

L NAME AND NO. DUDLEY #2 UT WELL #4

AFC #

<u>4-25-88</u> REPORT NO. <u>4</u>	COMP. STARTED <u>4-23-88</u>	STATUS: <u>Prep To Acidize</u>
M. <u>Pardue</u>	FIELD <u>Huron</u>	FORMATION <u>Chase</u> 15-144-20485 SPINELLE
<u>P. M. Brewer</u>	AREA <u>HURON</u>	PERFS <u>2635-2845</u> O.A.
<u>Bruce #1</u>	COUNTY <u>Stevens</u>	CASINO DETAIL
<u>3039 ZERO G.L. 3028</u>	STATE <u>Kansas</u>	<u>8 5/8" 24# K-55 BT&C</u> @ <u>1791'</u>
<u>6420</u>	MODIL W.I. <u>100%</u>	<u>5 1/2" 14# K-55 ST&C</u> @ <u>4984'</u>
<u>4517 (BP) FROM</u>	JOB CLASSIFICATION <u>B.C. 12</u>	

	POD WATER	POD OIL	MOF	
REC.	<u>29</u>			GAS SP. GRAV. _____
REC.	<u>75</u>			OIL GRAV. _____ @ _____ °F
	<u>46</u>			CHLORIDES _____
TO REC.	<u>29+</u>			ACID <input checked="" type="checkbox"/> FRAC _____

TODAYS/DE DATA				
OD	#/FT	GRADE	CONNECTION	LENGTH
<u>3/8"</u>	<u>4.7</u>	<u>J-55</u>	<u>8 RD EUE</u>	<u>4600'</u>

M	TO	HRS.	OPER. CODE	DESCRIPTION OF OPERATIONS
				<u>SICP- 55 PSI</u> DESCRIPTION OF OPERATIONS <u>FL- 2500</u>
o	<u>1030</u>	<u>3 1/2</u>	<u>680</u>	<u>Swabbing well, Recovered 29-BBLS water</u>
o	<u>1130</u>	<u>1</u>	<u>510</u>	<u>R.O. welex set CIBP at 2815'</u>
io	<u>1600</u>	<u>4 1/2</u>	<u>636</u>	<u>R.O. welex, wait on perforating guns, perforate</u> <u>intervals 2635-2650, 2664-2696, 2716-2742,</u> <u>2766-2790 w/4" CSG gun, 23 gram charges at</u> <u>120 degree phasing shot location (2635, 39,</u> <u>43, 47, 51) (2664, 68, 72, 76, 80, 84) (2688, 92, 96)</u> <u>(2716, 23, 30, 37, 44) (2766, 76, 83, 90)</u>
o	<u>1800</u>	<u>2</u>	<u>318</u>	<u>R.O. swab, swab fluid down to 2815'</u> <u>Recovered - 14 BBLS water</u> <u>(Good Gas Blow)</u>

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AFC APPROVED		ACTUAL	
		DAILY COMP.	<u>4.054</u>
HOLE	<u>6</u>	PREVIOUS COMP.	<u>12.329</u>
PLATED	<u>8</u>	CUMULATIVE COMP.	<u>16.383</u>
ENDED	<u>8</u>	PLATED COST:	<u>-</u>

316-624-7254
Room # 108

316-624-0031
mobile

MOBIL DAIL COMPLETION ON WORKOVER REPORT

611-1111(11-71)

NAME AND NO. DUDLEY #2 UT WELL #4 AFE # 621 L.C. # 26196

4-26-88	REPORT NO. <u>5</u>	CO:AP. STARTED <u>4-22-88</u>	STATUS: <u>PREP TO FRAC</u>
M. J. MAGNER		FIELD <u>HURON</u>	FORMATION <u>Chase</u>
P. M. Brewer		AREA <u>HURON</u>	PERF'S <u>2635-2790</u> O.A.
BRUCE #1		COUNTY <u>SEVENN</u>	
3039 ZERO G.L. 3028		STATE <u>KANSAS</u>	
6420		MOBIL W.I. <u>100%</u>	
4517 (BP) FROM		JOB CLASSIFICATION <u>B.C. 12</u>	

REC.	58.5	GAS SP. GRAV.		CORRO DETAIL				
REC.	58.5	OIL GRAV.	@ °F	8 5/8" 24# K-55 ST&C @ 1791' 5 1/2" 14# K-55 ST&C @ 4984' @ LNR TO				
	12.7	ACID	FRAC					
TO REC	68.5	CONSERVATION DIVISION Wichita Kansas		TOP/WB/DP DATA				
				DP	Ø/FT	GRADE	CONNECTION	LENGTH
				3/8"	4.7	J-55	8 RD EUE	4600'

#	TO	HRS.	OPER CODE	DESCRIPTION OF OPERATIONS
1	0800	1	318	SICP 155 psi, BLOW WELL DOWN; CHECK FL = 2650'
2	0830	1/2	657	R/U HALLIBURTON, P/U PIN POINT INJECTION PACKER
30	0900	1/2	657	TIH W/ PPI TOOL + 90 JTS 2 3/8" TBG SPACING ON TOOL = 10'. TAG CIBP @ 2806' (TBG TALLY)
4	1200	3	657	ACIDIZE CHASE ZONES 2635-2790 OA W/ 5350 GAL 15% INHIBITED FEHCL ACID DOWN 2 3/8 TBG, FLUSH W/ 27% KCL WTR, PUMP @ 3 BPM AVG. TREAT PRESS 1650 psi
5	1230	1/2	657	FISH STANDING VALVE
6	1430	2	657	POH LAYING DOWN & TALLYING TBG, L/D PKR
7	1500	1/2	464	N/D BOP
8	1700	2	680	INSTALL ORBIT VALVE & R/U SWAB. SWAB WELL F/1500' TO 2000' - RECOVERED ~ 39 BBL ACID/WTR, STARTED FLOWING
9	1800	1	311	R/U WELEX & RUN GR + CCL TO CORRELATE CIBP DEPTH & PERFS - ON PROPER DEPTH BP @ 2815
10	1900	1	680	SWAB F.L. F/2000 TO 2750, RECOVER 19.5 BBL FLUID TOTAL FLUID RECOVERED = 58.5 BBL. SECURE WELL F/NIGHT. WILL FRAC @ 1000 HRS, 4-27-88.

AFE APPROVED		ACTUAL	
HOLES	0	DAILY COMP.	0
PLATED	0	PREVIOUS COMP.	16,383
HEADED	0	QUALITATIVE COMP.	0
U.D.C.	0	DEFERRED COST	0
		ACCUM. COST	0

(316)624-7254 RM 108
MOBILE (316)624-0057

Mobil Oil Corporation FRAC DATA REPORT

WELL NAME AND NUMBER: DUDLEY #2-4 DATE: 4-27-88
 STATE: KS COUNTY: STEVENS FIELD: HUGOTON
 FORMATION: CHASE PERFS: (2635 - 2790 DA) 23 HOLES

STAGE	RATE-BPM	FLUID	CLEAN VOLUMES-GAL	PPG	SIZE PROPPANT	TUBING PRESSURE-PSI	CASING PRESSURE-PSI	PROPPANT-LBS	
1	50	KO-GEL	40,000	-	-	-	800	-	
2	50	KO-GEL	20,000	2-4	8/16	-	600	60,000	
3	50	KO-GEL	15,000	4-8	8/16	-	630	90,000	
4	50	KO-GEL	11,000	8	8/16	-	600	88,000	
5	50	270 KCL	2880	-	-	-	700	-	
					RAMPED w/COMPUTER				
TOTALS			<u>88,880</u>					<u>238,000</u>	

ISIP: 610 BASE FLUID: 270 KCL
 MAXIMUM PRESSURE: 800 BREAKDOWN PRESSURE: 800
 ISDP: 610 5 MIN: 480 10 MIN: 360 15 MIN: 240
 SERVICE LOCATION AND SERVICE ENGINEER: LIBERAL, KS VON PARREY
 SERVICE COMPANY: HALLIBURTON
 REMARKS: PUMPED TOTAL OF 86,000 GAL GELLED FLUID + 238,000 # 8/16 SAND
- 30 # WG-II GEL SYSTEM w/ BORATE X-LINKER, JOB WENT WELL
 MOBIL ENGINEER: P.M. BREWER SUPERVISOR: M. J. MAGNER

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4-27-88	REPORT NO. <u>6</u>	COMP. STARTED <u>4-22-88</u>	STATUS <u>SHUT WELL IN 48 HRS AFTER FRAC</u>
<u>M. J. MAGNER</u>		FIELD <u>Hugoton</u>	FORMATION <u>Chase</u>
<u>P. M. Brewer</u>		AREA <u>HUGOTON</u>	<u>18-144-20435</u> <u>SPITZELLE</u>
<u>BRUCE #1</u>		COUNTY <u>Stevens</u>	PERFS <u>2635-2790</u> O.A.
<u>3039 ZERO G.L. 302B</u>		STATE <u>Kansas</u>	<u>CARD DETAIL</u>
<u>6420</u>		MOBIL W.I. <u>100%</u>	<u>8 5/8" 24# K-55 ST&C @ 1791'</u>
<u>4517 (BP) FROM</u>		JOB CLASSIFICATION <u>B.C. 12</u>	<u>5 1/2" 14# K-55 ST&C @ 4984'</u>

REC.	REC.	REC.	REC.
-	-	-	-
2048			
2048			

TOP/WYS/DP DATA				
DP	#/FT	GRADE	CONNECTION	LENGTH
3/8"	4.7	J-55	B RD EYE	4600'

I	TO	HRS	OPER. CODE	DESCRIPTION OF OPERATIONS
2	0800	1	680	SICP = 155 PSI, BLOW WELL DOWN, FLUID LEVEL = 2650'
2	1030	2 1/2	650	R/U HALLIBURTON TO FRAC, PRESS TEST LINES TO 3000 PSI
	1200	1 1/2	656	HALL FRAC DOWN 5 1/2 CSG, LIMITED ENTRY 23 HOLES IN CHASE GROUP (2635'-2790' OA) W/ 86,000 GAL 30# WG-11 GEL W/ F-38 BORATE K-LINKER + 238,000# B/16 MESH SAND. SEE FRAC REPORT. AVG TREAT PRESS ~ 600 PSI @ 50 BPM. R/D HALL, SHUT IN WELL F/ 48 HRS.

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Wichita, Kansas

AFE APPROVED	ACTUAL
DAILY COMP.	57,992
PREVIOUS COMP.	25,195
QUANTITATIVE COMP.	83,187
EXTENDED COST	
ADDITIONAL COST	

(316) 624-7254 RM 108
MOBILE (216) 624-0057

4-30-88 REPORT NO. 8 COMP. STARTED 4-22-88 STATUS: FLOW TO CLEAN-UP WELL

BY M. J. MAGNER FIELD RUGDON FORMATION Chase IS-144-25438
P. M. BREWER AREA RUGDON PERFS 2635-²⁷⁴⁰~~2845~~ O.A.
BRUCE # 1 COUNTY SEVENS
3039 ZERO G.L. 3028 STATE KANSAS
6420 MOBIL W.I. 100%
21 BP 2815 JOB CLASSIFICATION B.C. 12
65% (SR) FROM

	WATER	OIL	MOF	
REC.	145			GAS SP. GRAV.
REC.	296			OIL GRAV. @ °F
	2048			CHLORIDES
TD REC.	1752			ACID FRAC <input checked="" type="checkbox"/>

CASING DETAIL

8 5/8" 24# K-55 ST&C	1791'
5 1/2" 14# K-55 ST&C	4984'

WIR TO

TCP/WP/DP DATA

DD	#/FT	GRADE	CONNECTION	LENGTH
3/8"	4.7	J-55	B RD EUE	4600'

A	TO	HRS.	OPER. CODE	DESCRIPTION OF OPERATIONS
2	0930	3 1/2	681	FLOW WELL TO CLEAN-UP. MADE ~25 BBL FLUID W/ SAND
2	1030	1	963	KILL WELL W/ 10 BBL LEASE WTR + CHANGE OUT 5 1/2" F.O. ORBIT VALVE (BROKEN STEM)
2	1430	4	658	RHH W/ SAND PUMP, TAG SAND @ 2740'. BAIL SAND TO 2748'.
0	0600	1 1/2	681	HOOK UP 5 1/2 FLOW TEE ON TOP OF ORBIT VALVE FLOW WELL WIDE OPEN TO PIT. (MAKING SAND) MADE ~120 BBL FLUID.
RECEIVED STATE CORPORATION COMMISSION NOV 21 1988 CONSERVATION DIVISION Wichita, Kansas				
(316) 624-7254 RM 108 (316) 624-0057				

AFE APPROVED	ACTUAL
DAILY COMP.	1918
PREVIOUS COMP.	83,991
CUMULATIVE COMP.	85,909
EXCLUDED COST	
ADJUSTED COST	

MOBIL DAIL COMPLETION OR WORKOVER REPORT

NAME AND NO. DUDLEY #2 UT W. #4 AFE # 621 L.C. # 26186

<u>5-2-BB</u>	REPORTING ID	COOP. STARTED <u>4-22-85</u>	STATUS: <u>SAND PUMP WELL</u>		
<u>M. J. MAGNER</u>		FIELD <u>Hugoton</u>	FORMATION <u>Chase</u>	15-144-25438 <u>APITELL</u>	
<u>P. M. BREWER</u>		AREA <u>HUGOTON</u>	PERFS <u>2635-2845</u>	O.A.	
<u>BRUCE #1</u>		COUNTY <u>Stevens</u>	CASING DETAIL		
<u>3039 ZERO G.L. 3028</u>		STATE <u>KANSAS</u>	<u>8 5/8" 24# K-55 BT&C</u>	@ <u>1791'</u>	
<u>6420</u>		MODUL W/L <u>100%</u>	<u>5 1/2" 14# K-55 BT&C</u>	@ <u>4984'</u>	
<u>2815 (DE) FROM</u>		JOB CLASSIFICATION <u>B.C. 12</u>			

	FRESH WATER	COLD OIL	MCF						
REC	<u>4</u>				TDS/WB/DP DATA				
REC	<u>375</u>				OD	8/FT	GRADE	CONNECTION	LENGTH
	<u>2048</u>				<u>3/8"</u>	<u>4.7</u>	<u>J-55</u>	<u>B RD EUE</u>	<u>4500'</u>
TO REC	<u>1673</u>								

#	TO	HRS	OPER CODE	DESCRIPTION OF OPERATIONS
	<u>0700</u>	<u>1</u>	<u>6B1</u>	<u>Flow well to clean-up. Making very little wtr</u>
	<u>1830</u>	<u>1 1/2</u>	<u>658</u>	<u>RIH w/ SAND PUMP, TAG SAND @ ~ 2715'</u> <u>SAND PUMP TO 2815' (TD)</u>
	<u>2000</u>	<u>1 1/2</u>	<u>311</u>	<u>R/W W/LEX - RUN TRACER SCAN LOG F/ 2794' to</u> <u>2350'. SOME SAND FALLING IN. FRAC WENT UP ~35' ABOVE 2635'</u>
	<u>2030</u>	<u>1/2</u>	<u>658</u>	<u>RIH w/ SAND PUMP, TAG SAND @ ~ 2790'</u> <u>SWION</u>
<p>RECEIVED STATE CORPORATION COMMISSION</p> <p>NOV 21 1988</p> <p>CONSERVATION DIVISION Wichita, Kansas</p>				

AFE APPROVED	ACTUAL	
	DAILY COMP.	<u>4601</u>
	PREVIOUS COMP.	<u>86,841</u>
	CUMULATIVE COMP.	<u>91,442</u>
	INTERFERED COST.	
	ACCUM. COST.	

(316) 624-7254 RA 108
MOBILE (316) 624-0057

S-S-BB	REPORT NO. 12	CO. AP. STARTED 4-22-88	STATUS: 24 HR FLOW TEST - 1 PT
R. M. J. MAGNER		FIELD <u>Huron</u>	FORMATION <u>Chase</u>
P. M. BREWER		AREA <u>HURON</u>	PERF'S <u>2635-2848</u> O.A.
BRUCE #1		COUNTY <u>Stevens</u>	CASINO DETAIL
3039 ZERO G.L. 3028		STATE <u>Kansas</u>	8 5/8" 24# K-55 BT&C @ 1791'
6420		MODUL W.I. <u>100%</u>	5 1/2" 14# K-55 ST&C @ 4984'
CIBP 2815		JOB CLASSIFICATION <u>D.C. 12</u>	
4517 (BP) FROM			

REC.	WATER	OIL	MOF	GAS SP. GRAV.	DD	#/FT	GRADE	CONNECTION	LENGTH
REC.	385			OIL GRAV. @ °F	3/8"	4.7	J-55	8 RD EYE	4688' VA
IO REC	1663			CHLORIDES					
				ACID. FRAC. ✓					

#	TO	HRS.	OPER CODE	DESCRIPTION OF OPERATIONS
1	0915	1/4	312	R/U RAINBOW WIRELINE, 36 HR SHUT IN PRESS - 139 psi
				R/H W/ PRESS BOMB. STOP F/ STATIC READINGS, POH
2	0600	20 3/4	312	P/U TANDEM PRESS BOMBS + R/H TO ~2600'. OPEN
				WELL 4 RUN 4 PT TEST AS FOLLOWS:
				TIME PLATE PRESS (psi) RATE (MCF/D) TIME PLATE PRESS (psi) RATE (MCF/D)
				1015 3/16" 135.9 311 (MCF/D) 2200 1/2 124 729
				1045 3/8 134.2 438 2300 " 123 721
				1115 1/2 130.1 766 2400 " 123 721
				1145 3/4 116.1 1541 0100 " 122 716
				1200 1/2 125 734 0200 " 121 711
				1300 " 127 744 0300 " 120 706
				1400 " 126 739 0400 " 120 706
				1500 " 126 739 0500 " 120 706
				1600 " 126 739 0600 " 120 706
				1700 " 125 734 0700 " 120 706
				1800 " 124 729 0800 " 120 706
				1900 " 124 729 0900 " 120 706
				2000 " 124 729 1000 " 120 706
				2100 " 125 727 1100 " 120 706

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Wichita, Kansas

AFE APPROVED	ACTUAL
DAILY COMP.	8.54
PREVIOUS COMP.	93,040
CUMULATIVE COMP.	93,894
SUBMITTED COST	
ACCUM. COST	

(316) 624-7254 RM 108
(316) 624-0057 MOB 111

MOBILE DAILY COMPLETION OR WORKOVER REPORT

L.C. - 26196
6ET1

L NAME AND NO. DUDLEY #2 UT LL #4 AFE # _____

5-6-88	REPORT NO. 13	COMP. STARTED 4-22-88	STATUS: FINAL RPT - TURN OVER TO HUGOTON Prod.
M. J. MAGNER		FIELD <u>Hugoton</u>	FORMATION <u>Chase</u>
P. H. Brevet		AREA <u>Hugoton</u>	PERFS <u>2635-2645</u> O.A.
BRUCE #1		COUNTY <u>SEVENN</u>	
3039 ZERO G.L. 3028		STATE <u>KANSAS</u>	
6420		MOBIL W.I. <u>100%</u>	
CIBP 2815 4517 (BE) FROM		JOB CLASSIFICATION <u>B.C. 12</u>	

REC	—	GAS SP. GRAV.	
REC	385	OIL GRAV. @ °F	
	2048	CHLORIDES	
TO REC.	1663	ACID FRAC	

TDR (YS) / DP DATA				
DD	Ø/FT	GRADE	CONNECTION	LENGTH
2-3/8"	1.7	J-55	8 RD EUE	4600' NA

A	TO	HRS	OPER. CODE	DESCRIPTION OF OPERATIONS
0	0900	3	312	CONT 24 HR 1-PT TEST THRU 1/2" CHOKE
				TIME PRESS (GAUGE) RATE (MCF/D)
				0600 120 706 DRY GAS
				0700 120 706
				0800 119 700
				0900 119 700
				TAG BOTTOM @ 2817' (NO SAND FILL), FLOWING BHP = 126.7 PSI
1	1000	1	312	PULL TANDEM PRESS BOMBS; R/D RAINBOW WIRELINE
2	1100	1	142	R/D FLOWLINE + COMPLETION UNIT; LEAVE 5/2 ORBIT ON WELL
3	1130	1/2	143	MOVE OUT COMPLETION UNIT

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Wichita, Kansas

AFE APPROVED	ACTUAL
DAILY COMP.	1960
PREVIOUS COMP.	93,894
CUMULATIVE COMP.	95,854
ESTIMATED COST	
ACTUAL COST	

(316) 624-7254 RM 108
(316) 624-8057 MOBILE