

STATE CORPORATION COMMISSION OF KANSAS  
OIL & GAS CONSERVATION DIVISION  
WELL COMPLETION OR RECOMPLETION FORM  
ACO-1 WELL HISTORY  
DESCRIPTION OF WELL AND LEASE

Operator: License # 5252  
Name R P NIXON OPERATIONS  
Address 207 W. 12TH  
City/State/Zip HAYS, KS. 67601

Purchaser CLEAR CREEK INC  
MCPHERSON, KANSAS

Operator Contact Person DAN A NIXON  
Phone 913-628-3834

Contractor: License # 5655  
Name SHIELDS DRILLING COMPANY INC

Wellsite Geologist DAN A NIXON  
Phone 913-628-3834

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

If OWWO: old well info as follows:  
Operator  
Well Name  
Comp. Date Old Total Depth

WELL HISTORY

Drilling Method:  
 Mud Rotary  Air Rotary  Cable  
8-21-87 8-28-87 9-15-87  
Spud Date Date Reached TD Completion Date  
3547' NA  
Total Depth PBTD

Amount of Surface Pipe Set and Cemented at 201 feet  
Multiple Stage Cementing Collar used?  Yes  No  
If yes, show depth set 1164 feet  
If alternate 2 completion, cement circulated  
from 1164 feet depth to SURF 350 w/ SX cmt  
Cement Company Name B-J TITAN  
Invoice # WV027 9-14-87  
SEE ATTACHED COMPLETION REPORT

API NO. 15-15-051-24-502-00-00  
County ELLIS  
NW SE SW Sec 22 Twp 14 Rge 17 East  
XX West

990 Ft North from Southeast Corner of Section  
3630 Ft West from Southeast Corner of Section  
(Note: Locate well in section plat below)

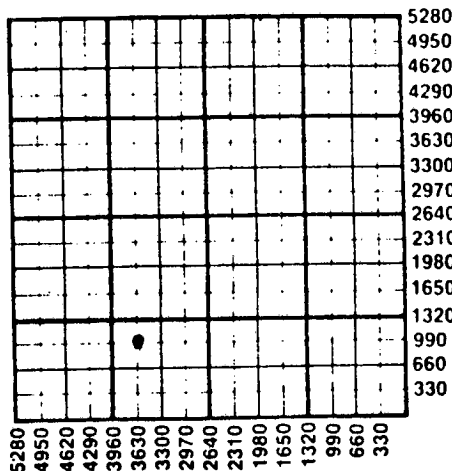
Lease Name BRULL C Well # 1

Field Name HEYL SE EXT

Producing Formation ARBUCKLE

Elevation: Ground 1974 KB 1979

Section Plat



WATER SUPPLY INFORMATION

Disposition of Produced Water:  Disposal  
Docket #  Repressuring

Questions on this portion of the ACO-1 call:  
Water Resources Board (913) 296-3717

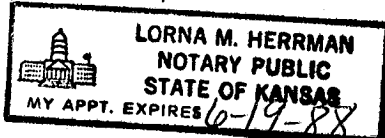
Source of Water:  
Division of Water Resources Permit #  
 Groundwater.....Ft North from Southeast Corner  
(Well) .....Ft West from Southeast Corner of  
Sec Twp Rge East West  
 Surface Water.....Ft North from Southeast Corner  
(Stream, pond etc).....Ft West from Southeast Corner  
Sec Twp Rge East West  
 Other (explain).....  
(purchased from city, R.W.D. #)

INSTRUCTIONS: This form shall be completed in duplicate and filed with the Kansas Corporation Commission, 200 Colorado Derby Building, Wichita, Kansas 67202, within 90 days after completion or recompletion of any well. Rule 82-3-130 and 82-3-107 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 82-3-107 for confidentiality in excess of 12 months.  
One copy of all wireline logs and drillers time log shall be attached with this form. Submit CP-4 form with all plugged wells. Submit CP-111 form with all temporarily abandoned wells.

All requirements of the 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 *D. Nixon*  
Title OPERATOR Date 11-10-87

Subscribed and sworn to before me this 10TH day of NOVEMBER  
1987  
Notary Public *Lorna M Herrman*  
Lorna M Herrman  
Date Commission Expires 6-19-88



K.C.C. OFFICE USE ONLY  
F Letter of Confidentiality Attached  
C  Wireline Log Received  
C  Drillers Timelog Received  
Distribution  
 KCC  SWD/Rep  NGPA  
 KGS  Plug  Other  
(Specify)

RECEIVED  
NOV 12 1987  
CONSERVATION DIVISION  
Wichita, Kansas

Sec 22 Twp 14 Rge 17

Operator Name R P NIXON OPERATIONS Lease Name BRULL C Well # 1  
 NW SE SW  
 Sec. 22 Twp. 14S Rge. 17 County ELLIS  
 East  
 West

WELL LOG

INSTRUCTIONS: Show important tops and base of formations penetrated. Detail all cores. Report all drill stem tests giving interval tested, time tool open and closed, flowing and shut-in pressures, whether shut-in pressure reached static level, hydrostatic pressures, bottom hole temperature, fluid recovery, and flow rates if gas to surface during test. Attach extra sheet if more space is needed. Attach copy of log.

Drill Stem Tests Taken  Yes  No  
 Samples Sent to Geological Survey  Yes  No  
 Cores Taken  Yes  No

Formation Description  
 Log  Sample

Name	Top	Bottom
ANHYDRITE (DRLRS)	1145	+834
ANHYDRITE BASE (DRLRS)	1179	+800
TOPEKA	2960	-981
HEEBNER SHALE	3210	-1231
TORONTO LIME	3231	-1252
LANSING	3259	-1280
BASE KANSAS CITY	3486	-1507
CHERTY ARBUCKLE	3510	-1531
ARBUCKLE (CLEAN)	3516	-1537
LTD	3548	
RTD	3547	

SEE ATTACHED GEOLOGICAL REPORT

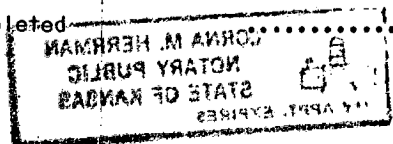
CASING RECORD <input checked="" type="checkbox"/> New <input type="checkbox"/> Used							
Report all strings set-conductor, surface, intermediate, production, etc.							
Purpose of String	Size Hole Drilled	Size Casing Set (in O.D.)	Weight Lbs/Ft.	Setting Depth	Type of Cement	#Sacks Used	Type and Percent Additives
SURFACE PRODUCTION	12 1/2 7 7/8"	8 5/8" 4 1/2"	10.5	201 3545	60/40PM SUREFILL MIDSWEEP	135 125 500 GALS	2% gel 1.3% c.c.c.
PERFORATION RECORD				Acid, Fracture, Shot, Cement Squeeze Record			
Shots Per Foot	Specify Footage of Each Interval Perforated			(Amount and Kind of Material Used)		Depth	
4	3525-3528						
4	3529-3531			500 gals 15% INS		3532	
TUBING RECORD		Size	Set At	Packer at	Liner Run	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
		2 3/8	3527	NA			
Date of First Production		Producing Method					
9-18-87		<input type="checkbox"/> Flowing <input checked="" type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other (explain).....					
Estimated Production Per 24 Hours		Oil	Gas	Water	Gas-Oil Ratio	Gravity	
18.34		Bbls	MCF	243.66	Bbls	CFPB	

METHOD OF COMPLETION

Production Interval

Disposition of gas:  Vented  Open Hole  Perforation  Sold  Other (Specify) ..... 3529-3531  
 Used on Lease

Dually Completed  Commingled



*R. P. Nixon Operations*

R. P. Nixon, Geologist & Oil Producer

207 West Twelfth

HAYS, KANSAS 67601

Phone: 913-628-3834

#1 BRULL C DAILY DRILLING REPORT

API 15-051-24,502-00-00

LSE/WELL#0383/1

NW SE SW SEC. 22, T14S-R17W  
ELLIS COUNTY, KANSAS

08-21-87 Moved in Shields Drilling Company Inc rotary tools and rigged up. Drilling surface hole. Set 8 5/8" surface casing at 201' with 135 sacks 60/40 Pozmix, 2% gel 3% c.c., plug down at 6:00 p.m.

08-22-87 Drilling plug at 6:00 a.m. Drilling ahead at 215' at 7:00 a.m.

08-23-87 Drilling ahead at 1898' at 7:00 a.m. Driller's Anhydrite 1144'-1180'. Elevation 1979 K.B.

08-24-87 Drilling ahead at 2431' at 7:00 a.m.

08-25-87 Drilling ahead at 2895' at 7:00 a.m.  
Formation Top: Topeka 2936' (-957)  
This Topeka top is 10' high to #1 Brull (RPNO).

08-26-87 Drilling ahead at 3161' at 7:00 a.m.  
Formation Tops: Topeka 2961' corrected  
Heebner 3209'  
Toronto 3230'  
Lansing 3256' (-1277)  
The Lansing top is 12' low to both the #1 and #2 Brull (RPNO) to the northwest and 2' low to the producer 2 locations southwest.

08-27-87 Drilling ahead at 3434' at 7:00 a.m.  
Arbuckle 3509'  
This is 1' high to #2 Brull (RPNO) to the northwest and 3' low to nearest southwest producer. To drill to RTD of 3547', log well & evaluate.

08-28-87 Log Tops: Heebner 3210'  
Toronto 3231'  
Lansing 3259' (-1281)  
The Lansing top is 16' low to both the #1 & #2 Brull.  
Base Kansas City 3486'  
Cherty Arbuckle 3510' (-1531)  
LTD 3548'

This Arbuckle top is flat with the #2 Brull and 3' low to the #1 Brull. Had a good show in the Arbuckle formation. Ran 88 joints of new 4 1/2" 10.5# production casing with 10' shoe joint to 3545' and cemented with 125 sacks of surefill & 500 gals of mudsweep ahead of cement for further testing. Port Collar at 1164'. 15 sx of cement in rathole and 10 sacks in mouse hole. Plug down at 7:00 a.m. Float did hold. Geological and completion report to follow.

RECEIVED

STATE CORPORATION COMMISSION

NOV 12 1987

CONSERVATION DIVISION  
Wichita, Kansas

# *R. P. Nixon Operations*

R. P. Nixon, Geologist & Oil Producer

207 West Twelfth

HAYS, KANSAS 67601

Phone: 913-628-3834

#1 BRULL C DAILY COMPLETION REPORT

API 15-051-24,502-00-00

LSE/WELL#0383/1

NW SE SW SEC. 22, T14S-R17W  
ELLIS COUNTY, KANSAS

- 09-10-87 Moved in Jay-Lan Corporation rig #4 double drum and rigged up. Swabbed hole down and ran correlation log by L-K Wireline Inc. Found T.D. @ 3527'. Ran bailer and made 5' of hole to T.D. of 3532'. Perforated from 3525'-28' with 3' gun loaded 4 shots per foot. Ran bailer to clean up hole and swab fluid from hole. Let set 15 minutes. Hole dried up with no show of oil. Re-perforated from 3529'-31' with 2' gun loaded 4 shots per foot. Swabbed 20' of fluid from hole with slight show of oil. Bailed hole dry. To acidize with 500 gals of 15% INS acid and overflush with 2 barrels of salt water. To let set overnight.
- 09-11-87 Fluid was 1000' from surface. Swabbed to 1500' off bottom. After acid and flush was recovered, Arbuckle made 18 bbls of fluid per hour on four hour test. The oil percentage was 40%. This test was made 1500' off bottom. To open port collar and cement upper stage. Tubing and rods will be run and well put on pump. Pump test will follow.
- 09-14-87 Ran 4 1/2" Loc-set plug to 3000' and set. Laid tubing down and ran Arrow port collar tool to 1161'. Tested plug @ 1000#'s PSI and plug held. Opened port collar and cemented with 350 sacks of light blend pozmix cement @ 6% gel. Cement circulated. Closed port collar and tested. Port collar held 1000#'s PSI. Laid Arrow port collar tool on bank. Ran catcher and tubing to 3000' and retrieved plug from hole. To let set overnight.
- 09-15-87 Ran 2 3/8" tubing, and 3/4" rods with 1 3/4" metal to metal tubing pump. Tore down and moved off location. To put on pump. Pump test to follow.
- 09-18-87 P.O.P.

Dan A. Nixon

15-051-24502-00-00

GEOLOGICAL REPORT

PETROLEUM GEOLOGIST

WELL #1 LOCATION NW SE SW of Section 22, T14S-R17W Ellis County, Ks. LEASE Brull C

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Operator: R.P. Nixon Operations  
207 West 12th Street  
Hays, Kansas 67601

Contractor: Shields Drlg. Co.  
Box 709  
Russell. Ks. 67665

Elevation: American Elevations  
Ground level: 1974'  
Rotary bushing: 1979'

Samples: Ten foot samples from 2900' to  
3190' and five foot samples  
from 3190' to 3547' RTD.

Time Log: One foot intervals from 2900'  
to 3547' RTD. A copy of the  
time log is included in this  
report.

Surf. Casing: 8 5/8" @ 201' w/135 sx - 60/40 Pozmix  
Prod. Casing: 4 1/2" @ 3545' w/125 sx Surefill  
Port Collar: Set @ 1164'

Spud Date: 8-21-87  
Comp. Date: 8-28-87

API #: 15-051-24,502  
Lease #: 0383/1

15-051-24502-00-00

<u>FORMATION TOPS:</u>	<u>SAMPLE DEPTH</u>	<u>LOG DEPTH</u>	<u>MINUS DATUM</u>
Anhydrite top (driller's)	1144'	1145'	+834
Anhydrite base "	1180'	1179'	+800
Topeka	2961'	2960'	-981
Heebner Shale	3209'	3210'	-1231
Toronto Lime	3230'	3231'	-1252
Lansing	3256'	3259'	-1280
Base of the Kansas City	3486'	3486'	-1507
Cherty Arbuckle	3509'	3510'	-1531
Arbuckle (clean)	3518'	3516'	-1537
Total Depth	3547'	3548'	-1569

SAMPLE ANALYSIS OF ZONES OF INTEREST: (corrected to the electric log)

Toronto	3235'-3238'	Cherty, white, buff lime, slight fossil porosity, rare spotty stain. Calculated wet on log and 12-14% porosity. Not worthy of testing.
Lansing	3261'-3266'	Dense, chalky, white, fossiliferous lime, rare spotty stain, tight. Calculated 6% porosity, 30% water. Had slight show of free oil and faint odor in wet samples. Not worthy of testing.
	3281'-3286'	Oolitic and vuggy white lime, fair to good oolitic and vuggy porosity, spotty stain. Porosity was 50% barren. Calculated 12-20% porosity, 23-34% water. Had show of free oil and odor in wet samples. Should be tested prior to abandoning well.
	3298'-3301'	Lime as above, fossiliferous (oolitic) in part. Rare to spotty stain, fair interfossil porosity. Had slight show of free oil and odor in wet samples. Calculated 14% porosity, 35% water. Should be considered for testing prior to abandoning well.
	3334'-3340' 3344'-47'	Oolitic, white lime, good oolitic porosity, rare spotty stain with occasionally scattered spotty stain. Had slight show of free oil and odor. Calculated 11-12% porosity, 32-35% water. Should be considered for testing prior to abandoning well.

15-051-24502-00-00

3440'-3446' Poorly developed oolitic white lime, fair oolitic porosity, rare spotty stain. Calculated 7-10% porosity, 32-40% water. Not worthy of testing.

Cherty Arbuckle 3510'-3518' Buff, fine crystalline, cherty dolomite, poor intercrystalline porosity, rare and occasionally saturated stain. Had show of free oil and odor. Gamma Ray curve on electric log indicated this to be "dirty."

Arbuckle 3518'-36' Buff, fine and medium crystalline dolomite, fair vuggy and occasionally oolitic porosity, spotty and saturated stain. Had good show of free oil and strong odor. Calculated 15-22% porosity, 33-45% water on log. Test.

3536'-48' LTD Dolomite as above, shaley in the upper portion. Stain decreasing to barren in part as depth increases. Neutron curve indicated a high water saturation starting at 3541'. Not worthy of testing.

REMARKS:

Structurally, the Lansing top on the #1 Brull C ran 15' low to both the Arbuckle producers to the northwest, the #1 & #2 Brull (R.P. Nixon Oper.) and 3' low to the nearest producer (Arbuckle) to the southwest, the #2 Herl (Charlie Crow).

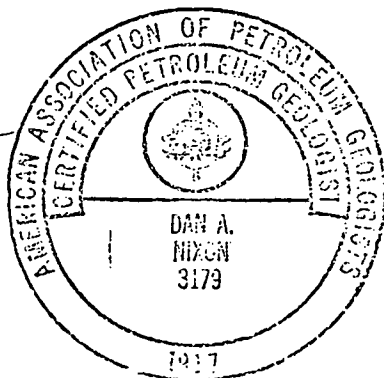
The Cherty Arbuckle top on the #1 Brull C ran flat with the same #2 Brull and 3' low to the same #1 Brull to the northwest, and 4' low to the same #2 Herl to the southwest.

Because of its favorable structural position to surrounding production on the Cherty Arbuckle top, a good show in the Arbuckle, and favorable water saturation calculation of the Arbuckle on the electric log, 4 1/2" casing was cemented at 3545' for further testing.

Respectfully Submitted,

*Dan A. Nixon*

Dan A. Nixon, CPG #3179



15-051-24502-00-00

DRILLING TIME LOG

2900'-2950'	3-2-2-1-2 2-2-2-2-2	2-1-2-4-3 2-2-2-2-2	2-1-2-2-2 2-4-4-4-2	2-2-1-2-2 4-5-3-1-3	2-2-2-1-2 3-3-3-4-3
2950'-3000'	5-3-5-6-3 3-3-2-3-4	3-2-3-4-4 4-4-5-5-4	3-5-5-4-5 2-2-2-2-3	4-4-5-5-4 2-5-5-3-2	3-4-4-5-3 1-1-4-5-4
3000'-3050'	4-4-4-4-5 2-3-2-3-3	4-5-5-3-4 3-3-4-4-5	4-4-4-3-4 4-4-4-4-4	5-4-5-4-5 4-4-4-4-3	4-5-4-3-3 4-5-6-7-4
3050'-3100'	4-4-6-5-5 4-4-4-3-3	5-5-5-4-3 4-4-5-5-5	3-4-5-5-3 4-5-6-6-6	5-4-4-4-6 3-6-7-6-8	7-5-4-4-5 6-7-7-7-6
3100'-3150'	6-6-6-4-4 10-9-7-4-4	5-6-5-6-6 3-5-9-8-6	7-6-9-8-8 7-6-6-5-6	7-6-4-4-4 5-4-6-4-5	6-7-8-8-8 5-5-6-6-7
3150'-3200'	5-7-6-5-5 6-7-6-7-6	6-7-7-6-6 4-5-4-5-3	6-4-5-6-6 5-5-5-6-6	7-6-4-4-4 6-7-7-7-4	5-6-7-7-6 5-6-5-6-5
3200'-3250'	7-6-6-6-6 4-4-4-4-4	6-7-6-6-4 6-6-3-3-3	3-3-4-8-7 6-6-6-4-7	7-4-4-4-5 6-6-6-3-4	6-5-6-5-5 4-3-3-2-2
3250'-3300'	3-2-2-2-2 4-5-5-2-1	2-5-6-6-7 1-1 1 3-4	6-6-7-6-6 5-5-6-5-5	7-6-6-5-6 5-5-6-4-5	5-6-6-5-4 4-5-2-3-4
3300'-3350'	6-5-6-6-5 4-5-6-6-4	5-6-6-6-6 4-5-5-5-5	6-6-6-6-6 4-5-5-6-4	6-4-3-5-6 4-4-3-3-4	7-4-5-6-3 3-3-4-3-5
3350'-3400'	5-5-4-5-5 6-4-6-6-6	5-6-5-5-5 6-8-4-5-5	5-5-6-5-5 5-6-7-7-6	6-6-5-6-5 6-6-8-8-8	6-6-5-5-5 7-8-6-5-6
3400'-3450'	6-5-6-8-6 3-3-3-3-4	8-4-4-4-4 3-3-4-4-4	4-5-4-6-6 3-4-4-4-4	6-5-6-6-5 5-5-5-6-6	6-6-4-3-3 6-6-6-5-5
3450'-3500'	6-7-6-5-7 7-8-8-7-7	7-6-7-7-6 6-7-5-6-4	7-7-6-6-6 6-5-4-5-6	6-6-6-7-6 5-5-5-4-3	7-6-7-7-5 3-3-3-3-4
3500'-3547'	4-4-3-4-4 4-4-3-4-3 3547' RTD	4-4-5-5-4 4-3-3-4-4	4-4-5-4-4 4-2-3-3-2	4-4-4-3-4 4-3-5-2-3	4-3-2-3-3 4-4