

OXY USA INC.

DRILLING REPORTING SYSTEM

WELL CHRONOLOGICAL

FOR

OXY USA INC., ALEXANDER D #2, GRANT, KS

October 29, 1993

October 29, 1993

CHRONOLOGICAL WELL REPORT

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G8MH

OXY USA INC., ALEXANDER D #2
GRANT, KS WSN: 1302079

- 1/20/86 PR OPNS: PUMPING TO TANK;
FORM: COUNCIL GROVE 2890'-3016' (3 SETS);
PBTB 3,111; PERFS(MD) 2,890; - 3,016;
CASING 4.5; @ 3,147;
ACTIVITY SUMMARY:
MI RU POOL WS. UNSEATED PUMP AND TOH W/RODS & PUMP. CO
GA. TIH W/NEW PUMP AND SAME RODS. SPACED OUT AND CLAMPED
OFF RODS. HAD GOOD PUMP ACTION. RD MO POOL WS.
- 12/15/88 PR OPNS: PREP'G TO RUN PUMP & RODS;
FORM: COUNCIL GROVE 2890'-3016' (3 SETS);
PBTB 3,111; PERFS(MD) 2,890; - 3,016;
CASING 4.5; @ 3,147;
ACTIVITY SUMMARY:
MI RU ALFA WS. UNSEATED PUMP. RIH W/RODS AND PUMP.
SISDFN.
- 12/16/88 PR OPNS: PUMPING TO TANK;
FORM: COUNCIL GROVE 2890'-3016' (3 SETS);
PBTB 3,111; PERFS(MD) 2,890; - 3,016;
CASING 4.5; @ 3,147;
ACTIVITY SUMMARY:
RIH W/NEW 1-1/2"X1-1/16"X12' PUMP W/NEW 6' GA AND OLD
STRING OF 118 5/8" RODS AND 1-4' & 2-2' PONIES. SEATED
PUMP AND CHECKED PUMP ACTION. HUNG RODS ON BEAM. RD MO
ALFA WS.
CUM COST \$ 1,396;
- 4/14/89 PR OPNS: PUMPING TO TANK;
FORM: COUNCIL GROVE 2890'-3016' (3 SETS);
PBTB 3,111; PERFS(MD) 2,890; - 3,016;
CASING 4.5; @ 3,147;
ACTIVITY SUMMARY:
MI RU ALFA WS. UNSEATED PUMP & TOH W/RODS AND PUMP. PU
NEW 1-1/2"X1-1/16"X12' PUMP W/6' GA AND TIH W/SAME 118 5/8"
RODS W/1-4' & 2-2' PONIES. SEATED PUMP AND SPACED OUT.
HUNG RODS ON BEAM. STARTED PUMPING UNIT W/GOOD PUMP ACTION
TO SURFACE. RD MO ALFA WS.
- 4/20/89 PR OPNS: PREP'G TO PULL PUMP;
FORM: COUNCIL GROVE 2890'-3016' (3 SETS);
PBTB 3,111; PERFS(MD) 2,890; - 3,016;
CASING 4.5; @ 3,147;
ACTIVITY SUMMARY:
MI RU GIBSON WELL SERVICE. RESEATED AND LONG STROKED PUMP.
GOT PUMP ACTION. HUNG RODS ON BEAM AND STARTED PMP'G
UNIT. LEFT WELL PMP'G.
- 4/21/89 PR OPNS: PREP'G TO RUN PUMP AND RODS;
FORM: COUNCIL GROVE 2890'-3016' (3 SETS);
PBTB 3,111; PERFS(MD) 2,890; - 3,016;
CASING 4.5; @ 3,147;
ACTIVITY SUMMARY:
WELL DID NOT PUMP UP. UNSEATED PUMP. POOH WITH 5/8" RODS.
LD 1-1/2"X1-1/16"X12' PUMP. DROPPED STANDING VALVE. RU
PUMP TRUCK. ND TBG HEAD. TOOH AND LD 96 JTS 2" BUTTRESS
TBG. MI 3100' 2-3/8" B GR TBG. MO 96 JTS 2" BUTTRESS TBG.
PU 2-3/8" MA AND SN AND TIH W/96 JTS 2-3/8" B GR 4.7#, 8R
TBG (TT 3039.61'). SET TBG 6' BKB @ 3046' W/SN @ 3029'.
SDFN.
- 4/22/89 PR OPNS: PUMP TESTING;
FORM: COUNCIL GROVE 2890'-3016' (3 SETS);
PBTB 3,111; PERFS(MD) 2,890; - 3,016;
CASING 4.5; @ 3,147;
ACTIVITY SUMMARY:
PU 2"X1-1/4"X12' BHP W/6' GA AND TIH W/119 5/8" RODS W/SHC
W/1 2", 1 8' & 3 4'X5/8" PONIES. SEATED PUMP. SPACED OUT
AND HUNG RODS ON BEAM. HAD GOOD PUMP ACTION TO SURF.
STARTED PMP'G UNIT AND LEFT RUNNING FOR WEEKEND.
- 4/24/89 PR OPNS: PMP'G TO TANK;
FORM: COUNCIL GROVE 2890'-3016' (3 SETS);
PBTB 3,111; PERFS(MD) 2,890; - 3,016;
CASING 4.5; @ 3,147;
ACTIVITY SUMMARY:
WELL MADE 60 BSW LAST 42 HRS AND STILL HAS GOOD PUMP
ACTION. RD MO GIBSON WS. RESUMED GAS SALES.
- 6/13/91 FORM: COUNCIL GROVE 2890'-3016' (3 SETS);
PBTB 3,111; PERFS(MD) 2,890; - 3,016;
CASING 4.5; @ 3,147;
ACTIVITY SUMMARY:
MI RU GIBSON PU. POOH W/RODS & PUMP. RIH WITH 6' GA AND
2"X1-1/4"X12' BHP W/6' GA AND TIH W/119 5/8" RODS W/SHC
W/1 2", 1 8' & 3 4'X5/8" PONIES. SEATED PUMP. SPACED OUT
AND HUNG RODS ON BEAM. HAD GOOD PUMP ACTION TO SURF.
STARTED PMP'G UNIT AND LEFT RUNNING FOR WEEKEND.

October 29, 1993

CHRONOLOGICAL WELL REPORT

PAGE: 2
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OXY USA INC., ALEXANDER D #2
GRANT, KS WSN: 1302079

GIBSON PU. WELL PMP'D UP IN 3 HRS.

10/25/93 PR OPNS: PMP TESTING AND SELLING 50 MCFD AS RESTRICTED;
FORM: COUNCIL GROVE PERFS 2890'-3016'
PRIOR PROD: 5 BWD AND RESTRICTED TO 50 MCFD.;
PBTD 3,111; PERFS(MD) 2,890; - 3,016;
CASING 4.5; @ 3,147;
ACTIVITY SUMMARY:
MIRU BORDERLINE AND POOH W/RODS. RIH W/REBUILT
2"X1.25"X12' PMP ON 119-5/8" RODS AND 1-2', 1-8', 3-4'
SUBS. SPACED OUT, HUNG ON, AND MINU BORDERLINE PMP TRUCK.
LOAD TBG AND PRESS TO 300 PSIG. HELD OK. RDMO BORDERLINE
P. UNIT AND PMP TRUCK. WORK DID NOT INCREASE ORIGINAL
PROD. JOB COMPLETE*****
WORK WAS DONE 9-13-93.
CMIC HAROLD JONES; DAILY COST \$ 985; CUM COST \$ 985;

REGULATORY SUMMARY WELL REPORT
INITIAL WORKOVER REPORT

FOLLOWING INFORMATION FROM REPORT: 1/20/86
FROM ZONE :

WO CONTRACTOR: RIG:
FORM PRIOR TO: COUNCIL GROVE PRIOR FORM (MD): 2890 (TVD):
PROD PRIOR OIL: PROD PRIOR GAS: 375 PROD PRIOR WTR:

TUBING REMARKS:

Page 1

93-10-29 14:52:37

NO REPORTS FOUND FOR REPORT COMPLETION WELL REPORT

WSN RANGE WAS 1302079 TO 1302079

DATE RANGE WAS 01/01/30 TO 10/29/93

OPERATOR-INDICATOR WAS B



Well Chronological Report
ALEXANDER D 2
Report Date: 01/20/1986 To 06/01/2004

01/20/1986 ALEXANDER D 2 Daily Drilling

API#:	15-067-20338-00	<u>Measured</u>	<u>Vertical</u>		
DOL:	Depth Today:		AFE Cost:	Perfs:	2,890 - 3,016
DSS:	Amount Drilled:		Daily Cost:	Pres Ops:	PUMPING TO TANK
CMIC:	PBTD:	3,111	CUM Cost:		
	Total Depth:				

Formations: COUNCIL GROVE 2890'-3016' (3 SETS)

Remarks: MI RU POOL WS. UNSEATED PUMP AND TOH W/RODS & PUMP. CO
GA. TIH W/NEW PUMP AND SAME RODS. SPACED OUT AND CLAMPED
OFF RODS. HAD GOOD PUMP ACTION. RD MO POOL WS.

12/15/1988 ALEXANDER D 2 Daily Drilling

API#:	15-067-20338-00	<u>Measured</u>	<u>Vertical</u>		
DOL:	Depth Today:		AFE Cost:	Perfs:	2,890 - 3,016
DSS:	Amount Drilled:		Daily Cost:	Pres Ops:	PREP'G TO RUN PUMP & RODS
CMIC:	PBTD:	3,111	CUM Cost:		
	Total Depth:				

Formations: COUNCIL GROVE 2890'-3016' (3 SETS)

Remarks: MI RU ALFA WS. UNSEATED PUMP, RIH W/RODS AND PUMP,
SISDFN.

12/16/1988 ALEXANDER D 2 Daily Drilling

API#:	15-067-20338-00	<u>Measured</u>	<u>Vertical</u>		
DOL:	Depth Today:		AFE Cost:	Perfs:	2,890 - 3,016
DSS:	Amount Drilled:		Daily Cost:	Pres Ops:	PUMPING TO TANK
CMIC:	PBTD:	3,111	CUM Cost:		
	Total Depth:				

Formations: COUNCIL GROVE 2890'-3016' (3 SETS)

Remarks: RIH W/NEW 1-1/2"X1-1/16"X12' PUMP W/NEW 6' GA AND OLD
STRING OF 118 5/8" RODS AND 1-4' & 2-2' PONIES. SEATED
PUMP AND CHECKED PUMP ACTION. HUNG RODS ON BEAM. RD MO
ALFA WS.

04/14/1989 ALEXANDER D 2 Daily Drilling

API#:	15-067-20338-00	<u>Measured</u>	<u>Vertical</u>		
DOL:	Depth Today:		AFE Cost:	Perfs:	2,890 - 3,016
DSS:	Amount Drilled:		Daily Cost:	Pres Ops:	PUMPING TO TANK
CMIC:	PBTD:	3,111	CUM Cost:		
	Total Depth:				

Formations: COUNCIL GROVE 2890'-3016' (3 SETS)

Remarks: MI RU ALFA WS. UNSEATED PUMP & TOH W/RODS AND PUMP. PU
NEW 1-1/2"X1-1/16"X12' PUMP W/6' GA AND TIH W/SAME 118 5/8"
RODS W/1-4' & 2-2' PONIES. SEATED PUMP AND SPACED OUT.
HUNG RODS ON BEAM. STARTED PUMPING UNIT W/GOOD PUMP ACTION
TO SURFACE. RD MO ALFA WS.



Well Chronological Report
ALEXANDER D 2
Report Date: 01/20/1986 To 06/01/2004

04/20/1989

ALEXANDER D 2

Daily Drilling

API#:	15-067-20338-00	<u>Measured</u>	<u>Vertical</u>		
DOL:	Depth Today:		AFE Cost:	Perfs:	2,890 - 3,016
DSS:	Amount Drilled:		Daily Cost:	Pres Ops:	PREP'G TO PULL PUMP
CMIC:	PBTD:	3,111	CUM Cost:		
	Total Depth:				

Formations: COUNCIL GROVE 2890'-3016' (3 SETS)

Remarks: MI RU GIBSON WELL SERVICE. RESEATED AND LONG STROKED PUMP.
GOT PUMP ACTION. HUNG RODS ON BEAM AND STARTED PMP'G
UNIT. LEFT WELL PMP'G.

04/21/1989

ALEXANDER D 2

Daily Drilling

API#:	15-067-20338-00	<u>Measured</u>	<u>Vertical</u>		
DOL:	Depth Today:		AFE Cost:	Perfs:	2,890 - 3,016
DSS:	Amount Drilled:		Daily Cost:	Pres Ops:	PREP'G TO RUN PUMP AND RODS
CMIC:	PBTD:	3,111	CUM Cost:		
	Total Depth:				

Formations: COUNCIL GROVE 2890'-3016' (3 SETS)

Remarks: WELL DID NOT PUMP UP. UNSEATED PUMP. POOH WITH 5/8" RODS.
LD 1-1/2"X1-1/16"X12' PUMP. DROPPED STANDING VALVE. RU
PUMP TRUCK. ND TBG HEAD. TOO H AND LD 96 JTS 2" BUTTRESS
TBG. MI 3100' 2-3/8" B GR TBG. MO 96 JTS 2" BUTTRESS TBG.
PU 2-3/8" MA AND SN AND TIH W/96 JTS 2-3/8" B GR 4.7#, 8R
TBG (TT 3039.61). SET TBG 6' BKB @ 3046' W/SN @ 3029'.
SDFN.

04/22/1989

ALEXANDER D 2

Daily Drilling

API#:	15-067-20338-00	<u>Measured</u>	<u>Vertical</u>		
DOL:	Depth Today:		AFE Cost:	Perfs:	2,890 - 3,016
DSS:	Amount Drilled:		Daily Cost:	Pres Ops:	PUMP TESTING
CMIC:	PBTD:	3,111	CUM Cost:		
	Total Depth:				

Formations: COUNCIL GROVE 2890'-3016' (3 SETS)

Remarks: PU 2"X1-1/4"X12' BHP W/6' GA AND TIH W/119 5/8" RODS W/SHC
W/1 2', 1 8' & 3 4'X5/8" PONIES. SEATED PUMP. SPACED OUT
AND HUNG RODS ON BEAM. HAD GOOD PUMP ACTION TO SURF.
STARTED PMP'G UNIT AND LEFT RUNNING FOR WEEKEND.

04/24/1989

ALEXANDER D 2

Daily Drilling

API#:	15-067-20338-00	<u>Measured</u>	<u>Vertical</u>		
DOL:	Depth Today:		AFE Cost:	Perfs:	2,890 - 3,016
DSS:	Amount Drilled:		Daily Cost:	Pres Ops:	PMP'G TO TANK
CMIC:	PBTD:	3,111	CUM Cost:		
	Total Depth:				

Formations: COUNCIL GROVE 2890'-3016' (3 SETS)

Remarks: WELL MADE 60 BSW LAST 42 HRS AND STILL HAS GOOD PUMP
ACTION. RD MO GIBSON WS. RESUMED GAS SALES.



Well Chronological Report
ALEXANDER D 2
Report Date: 01/20/1986 To 06/01/2004

06/13/1991

ALEXANDER D 2

Daily Drilling

API#:	15-067-20338-00	<u>Measured</u>	<u>Vertical</u>		
DOL:	Depth Today:			AFE Cost:	Perfs: 2,890 - 3,016
DSS:	Amount Drilled:			Daily Cost:	Pres Ops:
CMIC:	PBTD:	3,111		CUM Cost:	
	Total Depth:				

Formations: COUNCIL GROVE 2890'-3016' (3 SETS)

Remarks: MI RU GIBSON PU. POOH W/RODS & PUMP. RIH WITH 6' GA AND 2"X1-1/4"X12' PUMP ON 119 5/8" RODS & ONE 2', ONE 8' AND THREE 4' ROD SUBS. SPACED OUT & HUNG RODS ON BEAM. RD MO GIBSON PU. WELL PMP'D UP IN 3 HRS.

10/25/1993

ALEXANDER D 2

Daily Drilling

API#:	15-067-20338-00	<u>Measured</u>	<u>Vertical</u>		
DOL:	Depth Today:			AFE Cost:	Perfs: 2,890 - 3,016
DSS:	Amount Drilled:			Daily Cost:	Pres Ops: PMP TESTING AND SELLING 50 MCFD AS RESTRICTED
CMIC:	HAROLD JONES	PBTD:	3,111	CUM Cost:	
	Total Depth:				

Formations: COUNCIL GROVE PERFS 2890'-3016' PRIOR PROD: 5 BWD AND RESTRICTED TO 50 MCFD.

Remarks: MIRU BORDERLINE AND POOH W/RODS. RIH W/REBUILT 2"X1.25"X12' PMP ON 119-5/8" RODS AND 1-2', 1-8', 3-4' SUBS. SPACED OUT, HUNG ON, AND MINU BORDERLINE PMP TRUCK. LOAD TBG AND PRESS TO 300 PSIG. HELD OK. RDMO BORDERLINE P. UNIT AND PMP TRUCK. WORK DID NOT INCREASE ORIGINAL PROD. JOB COMPLETE*****
WORK WAS DONE 9-13-93.

11/25/1997

ALEXANDER D 2

Tubing Leak Repair

API#:	15-067-20338-00					
CMIC:	GREGG FILLPOT	<input checked="" type="checkbox"/> First Report	<input checked="" type="checkbox"/> Last Report	ABE Code:	Focus Code:	Job#:
Pay Key:				Rig ID:		Billable Hours:
	<u>Contract</u>	<u>Material</u>				
Failure Cost:						
Non EFS Cost:						
CUM Cost:						

Remarks: 9-15-97: MIRU WELLTECH P.UNIT AND POOH W/PMP. RIH REBUILT 2"X1.25"X12' BHP ON 117-5/8", 1-8',3-4',1-2', SUBS. SPACED OUT HUNG ON HAD GOOD PMP ACTION. RDMO WELLTECH. WORK RESTORED NORMAL PROD.
9-24-97: MIRU WELLTECH P. UNIT AND LONG STROKE PMP, NO PMP ACTION.POOH W/PMP. BLEW DOWN WELL AND POOH WITH TBG., FD HOLE IN BOT JOINT. RIH W/CSG SWAB AT 300' INT. SISDFN.
9-25-97: RIH AND BRUSH PERFS. RIH W/CSG SWAB, REC'D 20 BBLS WATER. RIH W/SND PMP AND CO 3' OF SND TO PBTD 3050'. SISDFN.
9-26-97: RIH W/15' MA, SN AND 96 JTS. 2 3/8" TBG, SN AT 3029'. PK OFF WELL HD AND RIH W/2"X1.25"X12' THP ON 120-5/8" RODS, 1-4', AND 2-2' SUBS. MINU PRESS. TRK., TBG HELD 300 PSIG. MO PRESS TRK AND SPACED OUT, HUNG ON, AND RDMO WELLTECH. PRIOR PROD= 120 MCFD, IMPROVE PROD TO 139 MCFD, JOB COMPLETE*****



Well Chronological Report
ALEXANDER D 2
Report Date: 01/20/1986 To 06/01/2004

11/04/1999		ALEXANDER D 2		Rod Part	
API#:	15-067-20338-00				
CMIC:	HAROLD JONES	<input checked="" type="checkbox"/> First Report	<input checked="" type="checkbox"/> Last Report	ABE Code:	Focus Code:
Pay Key:				Rig ID:	Job#:
	<u>Contract</u>	<u>Material</u>			Billable Hours:
Failure Cost:					
Non EFS Cost:					
CUM Cost:					
Remarks:	10-1-99 MIRU BORDERLINE AND CHG OUT TOP JT TBG. HAD LEAK ABOVE SLIPS. RDMO BORDERLINE. 10-18-99 MIRU BORDERLINE AND POOH W/117 RODS, FD BODY PART. FISH RODS AND POOH W/PMP. REPLACE ROD AND RIH W/2"X1.25"X12' THD PMP ON 118-5/8" RODS, 1-2', AND 2-4' SUBS. SPACED OUT, HUNG ON, LOAD TBG, AND RDMO BORDERLINE. WORK DONE RESTORED WELL TO NORMAL PROD. JOB COMPLETE***				

12/12/2000		ALEXANDER D 2		Rod Part	
API#:	15-067-20338-00				
CMIC:	HAROLD JONES	<input checked="" type="checkbox"/> First Report	<input checked="" type="checkbox"/> Last Report	ABE Code:	Focus Code:
Pay Key:				Rig ID:	Job#:
	<u>Contract</u>	<u>Material</u>			Billable Hours:
Failure Cost:					
Non EFS Cost:					
CUM Cost:					
Remarks:	11-22-00 MIRU BORDERLINE AND POOH W/4 FT SUB, FD BODY PART. FISH RODS AND POOH W/PMP. RIH W/REBUILT 2"X1.25"X12' THD PMP ON 120-5/8" RODS AND 10' ROD SUBS. SPACED OUT, HUNG ON, LOAD TBG, AND RDMO BORDERLINE. WORK RESTORED WELL TO NORMAL PROD. JOB COMPLETE*****				

07/05/2001		ALEXANDER D 2		Rod Part	
API#:	15-067-20338-00				
CMIC:	HAROLD JONES	<input checked="" type="checkbox"/> First Report	<input checked="" type="checkbox"/> Last Report	ABE Code: 12024	Focus Code:
Pay Key:				Rig ID:	Job#: 5976
	<u>Contract</u>	<u>Material</u>			Billable Hours:
Failure Cost:					
Non EFS Cost:					
CUM Cost:					
Remarks:	6-5-01 MIRU BORDERLINE AND POOH W/POL RD AND 2' SUB, SUB WAS PARTED. FISH RODS AND POOH W/PMP. RIH W/REBUILT 2"X1.25"X12' THD PMP ON 120-5/8" RODS AND 18' ROD SUBS. SPACED OUT, HUNG ON, LOAD TBG, AND RDMO BORDERLINE. WORK RESTORED PROD. JOB COMPLETE*****				

04/17/2004		ALEXANDER D 2		Electrical	
API#:	15-067-20338-00				
CMIC:	Ray Carrier	<input checked="" type="checkbox"/> First Report	<input checked="" type="checkbox"/> Last Report	ABE Code: 52003	Focus Code:
Pay Key:				Rig ID:	Job#: 93115
	<u>Contract</u>	<u>Material</u>			Billable Hours:
Failure Cost:					
Non EFS Cost:					
CUM Cost:					
Remarks:	Installed a 7.5 HP Motor and credited a Arrow C 46. Job coplete and running.				

LEASE NAME ALEXANDER "D" #2COUNTY/STATE Grant Count, Kansas

<u>DATE</u>	<u>DESCRIPTION OF WORK PERFORMED</u>
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12-15-88	MIRU Alfa Well Service. Unseated pump. TOH w/ rods & pump. SISDFN.
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12-16-88	RIH w/new 1-1/2"x1-1/16"x12' pump w/new 6' GA & old string of 118 5/8" rods & 1 4' & 2 2' ponies. Seated pump & checked pump action. Hung rods on beam. RDMO Alfa WS. TCTD \$1396.
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CITIES SERVICE OIL AND GAS CORPORATION

Daily Well History - Interim Report

INSTRUCTIONS: Interim Reports shall be completed and submitted with the Completion Report for the well. Interim Reports are required for all drilling, completions and may also be used for recording daily work on significant workovers. The description of work performed on Interim Reports should be a complete account of each day's Drilling Activity. Submit the Interim Report on all wells that have suspended drilling activity.

LEASE / UNIT NAME AND WELL NO.		REGION
Alexander D #2		Section 29-27S-35W
COUNTY - PARISH - STATE - PROVINCE	FIELD OR PROSPECT NAME	AFE NUMBER
Grant Co., Kansas		
DATE AND DEPTH	DESCRIPTION OF WORK PERFORMED	
1/20/86	MI & RU POOL WS. Unseat pmp and TOH w/rods. CO gas anchor and TIH w/new pmp and same rods. Space out and clamp off. Had good pmp action. RD & MO LOC.	

SUBMIT ONE COMPLETED COPY TO ERG GENERAL OFFICE - TULSA

CITIES SERVICE OIL COMPANY

Daily Well History - Interim Rep.

INSTRUCTIONS: Interim Reports shall be completed and submitted with the Final Report for the well. Interim Reports are required for all drilling wells also be used for recording daily work on significant workovers. The description of work performed on Interim Reports should be a complete report of e...ys Drilling Activity. On significant wells the Tulsa Office may request Interim Reports as a sheet is filled out.

LEASE / UNIT NAME AND WELL NO. ALEXANDER D #2		REGION Mid-Cont (South)
COUNTY - PARISH - STATE - PROVINCE Grant County, Kansas	FIELD OR PROSPECT NAME Panoma Council Grove Field	AFE NUMBER 9-1577369

DATE AND DEPTH	DESCRIPTION OF WORK PERFORMED
7/8/75	TD 3148', PBTD 3111', Council Grove 2890-2935 & 2992-3016'. Pmp'g to C.U. after frac. Pmp'd 9 BLW in 24 hrs. CP 240 psi. Shot FL @ 2852'. Well pumped off. 2543 BLW to rec.
7/9/75	TD 3148', PBTD 3111', Council Grove 2890-2935' & 2922-3016'. SD. W.O. pipeline connection. Pmp'd 6 BLW in 24 hrs. 144 hr SICP 240.2. CAOF 8672 MCFPD. Est Allow 570 MCFPD. 2537 BLW to rec. TEC \$106,689. TCTD \$130,270. <u>FINAL REPORT.</u>

CITIES SERVICE OIL COMPANY

Daily Well History - Interim Report

INSTRUCTIONS: Interim Reports shall be completed and submitted with the Final Report for the well. Interim Reports are required for all drilling wells and also be used for recording daily work on significant workovers. The description of work performed on Interim Reports should be a complete report of all Drilling Activity. On significant wells the Tulsa Office may request Interim Reports as a sheet is filled out.

LEASE / UNIT NAME AND WELL NO.		REGION
ALEXANDER "D" #2		Mid-Cont (South)
COUNTY - PARISH - STATE - PROVINCE	FIELD OR PROSPECT NAME	AFE NUMBER
Grant County, Kansas	Panoma Council Grove Field	9-1577369
DATE AND DEPTH	DESCRIPTION OF WORK PERFORMED	
6/21/75	TD 3148', PBTD 3111', Council Grove 2890-2935', 2922-3016'. SD. W.O. parts to repair completion unit.	
6/22/75	TD 3148', PBTD 3111', Council Grove 2890-2935', 2922-3016'. SD. W.O. parts to repair completion unit.	
6/23/75	TD 3148', PBTD 3111', Council Grove 2890-2935', 2922-3016'. SD. W.O. parts to repair completion unit.	
6/24/75	TD 3148', PBTD 3111', Council Grove 2890-2935', 2922-3016'. C.O. frac Sd 3111'. Repaired completion unit. C.O. frac Sd from 3051' to 3111' in 9 hrs.	
6/25/75	TD 3148', PBTD 3111', Council Grove 2890-2935', 2922-3016'. Prep to check fillup. C.O. sd from 3105' to 3111'. Ran csg swab 1 time and well K.O. Flw'd @ 1200 MCF w/mist of wtr for 5 hrs. SI overnight.	
6/26/75	TD 3148', PBTD 3111', Council Grove 2890-2935', 2922-3016'. SD. W.O. Air Comp. Chk'd PBTD @ 3111, no fillup, killed w/30 BTFW. Ran 96 jts 2" 3.40# Buttress BGr tbg. 3013 set @ 3020 SN @ 2990'. Ran 1 1/16 X 1 3/8 X 12' pmp on 118 5/8 rods. (A GR.) Connected up Klaeger unit.	
6/27/75	TD 3148', PBTD 3111', Council Grove 2890-2935', 2922-3016'. SD. W.O. Air Comp. TEC \$125,000 TCTD \$129,450.	
6/28/75	TD 3148', PBTD 3111', Council Grove 2890-2935', 2922-3016'. W.O. Air compressor	
6/29/75	TD 3148', PBTD 3111', Council Grove 2890-2935', 2922-3016'. W.O. Air comp	
6/30/75	TD 3148', PBTD 3111', Council Grove 2890-2935', 2922-3016'. W.O. Air comp	
7/1/75	TD 3148', PBTD 3111', Council Grove 2890-2935', 2922-3016'. Pmp'd to C.U. after frac. MI air compressor. Pmp'd 28 BLW in 14 hrs. CP 0 psi. 2842 BLW to rec.	
7/2/75	TD 3148', PBTD 3111', Council Grove 2890-2935', 2922-3016'. Pmp'g to C.U. after frac. Pmp'd 58 BLW in 24 hrs. CP 0 psi. 8 X 54" SPM. 2784 BLW to rec.	
7/3/75	TD 3148', PBTD 3111', Council Grove 2890-2935', 2922-3016'. Pmp'g to C.U. after frac. Pmp'd 58 BLW in 24 hrs. CP 190 psi. 8X54" SPM. Now running on well gas. 2726 BLW to rec. TEC \$106,689 TCTD \$130270.	
7/4/75	TD 3148', PBTD 3111', Council Grove 2890-2935' & 2922-3016'. Pmp'g to C.U. after frac. Pmp'd 58 BLW in 24 hrs. CP 240 psi. 2688 BLW to rec.	
7/5/75	TD 3148', PBTD 3111', Council Grove 2890-2935' & 2922-3016'. Pmp'g to C.U. after frac. Pmp'd 58 BW in 24 hrs. CP 245 psi. 2610 BLW to rec.	
7/6/75	TD 3148', PBTD 3111', Council Grove 2890-2935' & 2922-3016'. Pmp'g to C.U. after frac. Pmp'd 58 BW in 24 hrs. CP 240 psi. 2552 BLW to rec.	
7/7/75	TD 3148', PBTD 3111', Council Grove 2890-2935' & 2922-3016'. Pmp'g to C.U. after frac. Pmp'd 0 BW in 24 hrs & well quit pmp'g. CP 240 psi. 2552 BLW to rec.	

CITIES SERVICE OIL COMPANY

Daily Well History - Interim Report

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LEASE / UNIT NAME AND WELL NO.		REGION
ALEXANDER "D" #2		Mid-Cont (South)
COUNTY - PARISH - STATE - PROVINCE		FIELD OR PROSPECT NAME
Grant County, Kansas		Panoma Council Grove Field
		AFE NUMBER
		9-1577369
DATE AND DEPTH	DESCRIPTION OF WORK PERFORMED	
6/2/75	TD 3148', PBTD 3111', Council Grove 2890-2935', 2944-84' & 2992-3016'. W.O.C.U.	
6/3/75	TD 3148', PBTD 3111', Council Grove 2890-2935', 2944-84' & 2992-3016'. WOCU.	
6/4/75	TD 3148', PBTD 3111', Council Grove 2890-2935', 2944-84' & 2992-3016'. W.O.C.U.	
6/5/75	TD 3148', PBTD 3111', Council Grove 2890-2935', 2944-84' & 2992-3016'. W.O.C.U.	
6/6/75	TD 3148', PBTD 3111', Council Grove 2890-2935', 2944-84' & 2992-3016'. W.O.C.U.	
6/7/75	TD 3148', PBTD 3111', Council Grove 2890-2935', 2944-84' & 2992-3016'. W.O.C.U.	
6/8/75	TD 3148', PBTD 3111', Council Grove 2890-2935', 2944-84' & 2992-3016'. W.O.C.U.	
6/9/75	TD 3148', PBTD 3111', Council Grove 2890-2935', 2944-84' & 2992-3016'. W.O.C.U.	
6/10/75	TD 3148', PBTD 3111', Council Grove 2890-2935', 2944-84' & 2992-3016'. W.O.C.U.	
6/11/75	TD 3148', PBTD 3111', Council Grove 2890-2935', 2944-84' & 2992-3016'. W.O.C.U.	
6/12/75	TD 3148', PBTD 3111', Council Grove 2890-2935', 2944-84' & 2992-3016'. M.I. unit.	
6/13/75	TD 3148', PBTD 3111', Council Grove 2890-2935', 2944-84' & 2992-3016'. MI & RU unit & ran sand pump. Found 150' sand in hole: Rec 5' sand to 2963' & unit broke down. SD for unit repair. TEC \$125,000. TCTD \$108,600.	
6/14/75	TD 3148', PBTD 3111', Council Grove 2890-2935', & 2992-3016'. C.O. w/sand pump @ 3003'. C.O. sand w/sand pump from 2963-3003' in 5 hrs.	
6/15/75	TD 3148', PBTD 3111', Council Grove 2890-2935' & 2992-3016'. SD for Sunday. C.O. frac Sd w/sand pump from 3003-85' in 13 hrs.	
6/16/75	TD 3148', PBTD 3111', Council Grove 2890-2935' & 2992-3016'. SD for Sunday.	
6/17/75	TD 3148', PBTD 3111', Council Grove 2890-2935' & 2992-3016'. C.O. frac Sd @ 3051'. Sd came in overnight. C.O. sand w/sand pump from 3006' to 3051'.	
6/18/75	TD 3148', PBTD 3111', Council Grove 2890-2935' & 2992-3016'. C.O. frac Sd @ 3081'. Sd came in overnight. C.O. Sd w/Sd pump from 3031' to 3081'.	
6/19/75	TD 3148', PBTD 3111', Council Grove 2890-2935' & 2992-3016'. C.O. frac Sd @ 3086'. Sand came in overnight. C.O. sand w/sand pump from 3061' to 3086'.	
6/20/75	TD 3148', PBTD 3111', Council Grove 2890-2935', 2922-3016'. C.O. frac Sd @ 3086'. SD. W.O. parts to repair unit. TEC \$125,000. TCTD \$128,250.	

CITIES SERVICE OIL COMPANY

Daily Well History - Interim Report

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LEASE / UNIT NAME AND WELL NO.		REGION
ALEXANDER "D" #2		Mid-Cont (South)
COUNTY - PARISH - STATE - PROVINCE		FIELD OR PROSPECT NAME
Grant County, Kansas		Panoma Council Grove Field
		AFE NUMBER
		9-1577369
DATE AND DEPTH	DESCRIPTION OF WORK PERFORMED	
5/15/75	TD 3148', PBTD 3111', Council Grove 2890-2935', 2944-84' & 2992-3016'. Flw'g to C.U. after frac. Flw'd 70 BLW thru 2" tbg in 24 hrs. Gas Vol 3000 MCFPD, very wet. 2995 BLW to rec. TCTD \$108,300.	
5/16/75	TD 3148', PBTD 3111', Council Grove 2890-2935', 2944-84' & 2992-3016'. Flw'g to C.U. after frac. Flw'g 65 BLW thru 2" tbg in 24 hrs. Gas Vol 3000 MCFPD, very wet. 2930 BLW to rec. TEC \$125,000. TCTD \$108,600.	
5/17/75	TD 3148', PBTD 3111', Council Grove 2890-2935', 2944-84' & 2992-3016'. Prep to SI & run BHP tests. Released completion unit 6:00 p.m. 5/13/75. M.O. completion unit 5/15/75. Flw'g 60 BLW in 24 hrs. Gas Vol 3000 MCFPD. Very wet. 2870 BLW to rec.	
5/18/75	TD 3148', PBTD 3111', Council Grove 2890-2935', 2944-84' & 2992-3016'. Rng BHP test. Flw'd 25 BLW in 8 hrs. Gas Vol 3000 MCFPD, very wet. SI @ 3:00 p.m. 5/17/75. 2845 BLW to rec.	
5/19/75	TD 3148', PBTD 3111', Council Grove 2890-2935', 2944-84' & 2992-3016'. Rng BHP test.	
5/20/75	TD 3148', PBTD 3111', Council Grove 2890-2935', 2944-84' & 2992-3016'. Rng BHP tests.	
5/21/75	TD 3148', PBTD 3111', Council Grove 2890-2935', 2944-84' & 2992-3016'. Rng BHP tests.	
5/22/75	TD 3148', PBTD 3111', Council Grove 2890-2935', 2944-84' & 2992-3016'. Rng BHP tests.	
5/23/75	TD 3148', PBTD 3111', Council Grove 2890-35', 2944-84' & 2992-3016'. Attempting to pull BHP gauge. Attempted to pull BHP gauge and gauge hanging at 2967', will go back down hole to 3053'. (No tubing in hole 4-1/2" casing). Line is 1/4" braded line. WHP 200#. Flow well and attempt to kick loose.	
5/24/75	TD 3148', PBTD 3111', Council Grove 2890-2935', 2944-84' & 2992-3016'. Rng BHP gauge. Pulled BHP guage.	
5/25/75	TD 3148', PBTD 3111', Council Grove 2890-2935', 2944-84' & 2992-3016'. Rng BHP tests.	
5/26/75	TD 3148', PBTD 3111', Council Grove 2890-2935', 2944-84' & 2992-3016'. Rng BHP tests.	
5/27/75	TD 3148', PBTD 3111', Council Grove 2890-2935', 2944-84' & 2992-3016'. Rng BHP tests.	
5/28/75	TD 3148', PBTD 3111', Council Grove 2890-2935', 2944-84' & 2992-3016'. Rng BHP build-up tests.	
5/29/75	TD 3148', PBTD 3111', Council Grove 2890-2935', 2944-84' & 2992-3016'. SI. Prep to install P.E. Pulled BHP gauge. Have finished rng BHP build-up tests.	
5/30/75	TD 3148', PBTD 3111', Council Grove 2890-2935', 2944-84' & 2992-3016'. SI. W.O. pulling unit to run tbg & rods. TEC \$125,000. TCTD \$108,600.	
5/31/75	TD 3148'. PBTD 3111', Council Grove 2890-2935', 2944-84' & 2992-3016'. WOCU.	
6/1/75	TD 3148', PBTD 3111', Council Grove 2890-2935', 2944-84' & 2992-3016' WOCU.	

CITIES SERVICE OIL COMPANY

Daily Well History - Interim Re

INSTRUCTIONS: Interim Reports shall be completed and submitted with the Final Report for the well. Interim Reports are required for all drilling well may also be used for recording daily work on significant workovers. The description of work performed on Interim Reports should be a complete report of days Drilling Activity. On significant wells the Tulsa Office may request Interim Reports as a sheet is filled out.

LEASE / UNIT NAME AND WELL NO.		REGION
ALEXANDER "D" #2		Mid-Cont (South
COUNTY - PARISH - STATE - PROVINCE		FIELD OR PROSPECT NAME
Grant County, Kansas		Panoma Council Grove Field
		AFE NUMBER
		9-1577369
DATE AND DEPTH	DESCRIPTION OF WORK PERFORMED	
5/5/75	TD 3148', PBDT 3111', Council Grove 2890-2935', 2944-84' & 2992-3016'. Chk'g FL. SD for Sunday.	
5/6/75	TD 3148', PBDT 3111', Council Grove 2890-2935', 2944-84' & 2992-3016'. Prep to frac. 14 hr SIP 0 psi. Ran swab & found hole dry. No show gas. M.I. frac equipment.	
5/7/75	TD 3148', PBDT 3111', Council Grove 2890-2935', 2944-84' & 2992-3016'. Prep to run temp survey after fracing. Chk'd & found hole dry. Pulled tbg, RBP & pkr. Fraced Council Grove 2890-3016' w/125,000 gals 1% KCLW, 3# FR-20/1000 gals, 1 gal Howco suds/1000 gals & 1 gal adocite/100 bbls & 250,000# of 20/40 sand. Max press 2000 psi to 1610 psi to ISDP 300 psi to a vac in 3 min. AIR 103 BPM. TL&T 3423 bbls. TCTD \$104,856.	
5/8/75	PBDT 3111', Council Grove 2890-2935', 2944-84' & 2992-3016'. C.O. sand after frac. Ran Go International thermal data log from 2000' to 2998'. Found top of temp change @ 2850'. Major inj interval from 2850 to 2892'. Minor inj intervals from 2892 to 2920' & 2970-2998'. C.O. sand from 2998 to 3015' in 5 hrs.	
5/9/75	PBDT 3111', Council Grove 2890-2935', 2944-84' & 2992-3016'. C.O. frac sand @ 3070'. C.O. frac sand from 3015 to 3070' in 12 hrs. TEC \$106,689. TCTD \$106,032.	
5/10/75	TD 3148', PBDT 3111', Council Grove 2890-2935', 2944-84' & 2992-3016'. Flw'g to C.U. after frac. C.O. frac sand from 3070 to 3111' in 6 hrs. Swb'd 42 BLW in 3 hrs. <u>Well kicked off</u> . Flw'd 10 BLW in 5 hrs. Gas Vol 1500 MCFPD, very wet. SI due to storm. 3371 BLW to rec.	
5/11/75	TD 3148', PBDT 3111', Council Grove 2890-2935', 2944-84' & 2992-3016'. Flw'g to C.U. after frac. 10 hr SIP 200 psi. Opened well. Flw'g 56 BLW in 14 hrs. Gas Vol 1500 MCFPD, very wet. SI 10 hrs for storm. 3315 BLW to rec.	
5/12/75	TD 3148', PBDT 3111', Council Grove 2890-2935', 2944-84' & 2992-3016'. Flw'g to C.U. after frac. Flw'g 92 BLW in 24 hrs. Gas Vol 1500 MCFPD, very wet. 3223 BLW to rec. TCTD \$107,282.	
5/13/75	PBDT 3111', Council Grove 2890-2935', 2944-84' & 2992-3016'. Flw'g to C.U. after frac. Flw'd 96 BLW in 24 hrs. Gas Vol 2000 MCFPD. Very wet. Wtr SG 1.125, pH 6, Cls 99000. 3137 BLW to rec.	
5/14/75	TD 3148', PBDT 3111', Council Grove 2890-2935', 2944-84' & 2992-3016'. Flw'g to C.U. after frac. Flw'd 72 BLW thru 2" tbg in 24 hrs. Gas Vol 3000 MCFPD, very wet. 3065 BLW to rec. TCTD \$107,890.	

SUBMIT ONE COMPLETED COPY TO E & P GENERAL OFFICE - TULSA

CITIES SERVICE OIL COMPANY

Daily Well History - Interim Report

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LEASE / UNIT NAME AND WELL NO.		REGION
ALEXANDER "D" #2		Mid-Cont (South)
COUNTY - PARISH - STATE - PROVINCE	FIELD OR PROSPECT NAME	AFE NUMBER
Grant County, Kansas	Panoma Council Grove Field	9-1577369
DATE AND DEPTH	DESCRIPTION OF WORK PERFORMED	
4/26/75	TD 3148', PBTD 3111', Council Grove 2992-3016'. SD - high winds. Tbg to be steamed. W.O. steamer.	
4/27/75	TD 3148', PBTD 3111', Council Grove 2992-3016'. SD for high winds. Steamed tbg.	
4/28/75	TD 3148', PBTD 3111', Council Grove 2992-3016'. Prep to run tbg w/pkr & acidize. SD - high winds.	
4/29/75	TD 3148', PBTD 3111', Council Grove 2992-3016'. Swb'g load. Ran csg swab, hole dry. Ran Baker pkr on 2" tbg & set @ 2968'. Acidized Council Grove perfs 2992-3016' w/900 gals. Halco's MOD 202 Acid. Max Press 500 psi, min press 200 psi ISDP - vac. AIR 1/2 BPM. TL&T 21 bbls. SI 2 hrs. Unseated pkr. Swb'd 12 BLW in 2 hrs. Hole dry. No show of gas or wtr. 9 BLW to rec.	
4/30/75	TD 3148', PBTD 3111', Council Grove 2992-3016' & 2944-2984'. Prep to acidize Council Grove perfs 2944-84'. Ran swab, hole dry. Spotted 5 bbls 1% KCLW. POOH w/tbg & pkr. Perf'd Council Grove 2976-84' w/16 jets. 2954-66' w/24 jets & 2944-50' w/12 jets. Swb'd 5 BLW in 2 hrs, hole dry. Ran Baker RBP & pkr on 2" tbg. Set BP @ 2987' & pkr @ 2920'. SD overnight.	
5/1/75	TD 3148', PBTD 3111', Council Grove 2992-3016' & 2944-2984'. Prep to pull tbg w/pkr & RBP. Ran swab, hole dry. Acidized Council Grove perfs 2944-2984' w/1300 gals. Halco's MOD 202 Acid. Max press 500 psi, min press 300 psi ISDP 300 psi. 1 hr SIP 0 psi. AIR 1/2 BPM. TL&T 42 bbls. SI 2 hrs. Swb'd 42 BLW in 4 hrs. All load recovered. Hole swb'd dry. SD overnight.	
5/2/75	TD 3148', PBTD 3111', Council Grove 2890-2935', 2944-84' & 2992-3016'. Rng tbg. Released pkr & retrieved BP. POOH w/pkr & BP. R.U. McCullough Perf'd Council Grove 2906-35 w/58 jets & 2890-2902' w/24 jets. SD for high winds. TEC \$106,689. TCTD \$65,550.	
5/3/75	TD 3148', PBTD 3111', Council Grove 2890-2935', 2944-84' & 2992-3016'. Swb'g load. Ran RBP & pkr on 2" tbg & set RBP @ 2939'. Pkr set @ 2870'. Acidized Council Grove perfs 2890-2935' w/2100 gals Halco's MOD 202 Acid. Flushed w/8 bbls 1% KCLW. Max press 250 psi, min press 0 psi ISDP 100 psi. 15 min SIP 0 psi. AIR 1/2 BPM. TL&T 58 bbls. Released pkr. Swb'd 40 BLW in 4 hrs. 18 BLW to rec. SD overnight. TCTD \$68,132.	
5/4/75	TD 3148', PBTD 3111', Council Grove 2890-2935', 2944-84' & 2992-3016'. SD for Sunday. 13 hr SIP 25 psi. Swb'd 15 BLW in 1 hr. Hole swb'd dry. Waited 1 hr, ran swab, hole dry. SD for Sunday. TCTD \$68,556.	

CITIES SERVICE OIL COMPANY

Daily Well History - Interim Report

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LEASE / UNIT NAME AND WELL NO.		REGION
ALEXANDER "D" #2		Mid-Cont (South)
COUNTY - PARISH - STATE - PROVINCE	FIELD OR PROSPECT NAME	AFE NUMBER
Grant County, Kansas	Panoma Council Grove Field	9-1577369
DATE AND DEPTH	DESCRIPTION OF WORK PERFORMED	
3/25/75	TD 3,148'. W.O. completion unit.	
3/26/75	TD 3,148'. W.O. completion unit.	
3/27/75	TD 3,148'. W.O. completion unit. TEC \$49,254. TCTD \$56,829.	
3/28/75	TD 3,148'. W.O. completion unit.	
3/29/75	TD 3,148'. W.O. completion unit.	
3/30/75	TD 3,148'. W.O. completion unit.	
3/31/75	TD 3,148'. W.O. completion unit.	
4/1/75	TD 3,148'. W.O. completion unit.	
4/2/75	TD 3,148'. W.O. completion unit.	
4/3/75	TD 3,148'. W.O. completion unit.	
4/4/75	TD 3,148'. W.O. completion unit. TEC \$49,254. TCTD \$56,829.	
4/5/75	TD 3,148'. W.O. completion unit.	
4/6/75	TD 3,148'. W.O. completion unit.	
4/7/75	TD 3,148'. W.O. completion unit.	
4/8/75	TD 3,148'. W.O. completion unit.	
4/9/75	TD 3,148'. W.O. completion unit.	
4/10/75	TD 3,148'. W.O. completion unit.	
4/11/75	TD 3,148'. W.O. completion unit. TEC \$106,689. TCTD \$56,829.	
4/12/75	TD 3,148'. W.O. completion unit.	
4/13/75	TD 3,148'. W.O. completion unit.	
4/14/75	TD 3,148'. W.O. completion unit.	
4/15/75	TD 3,148'. W.O. completion unit.	
4/16/75	TD 3,148'. W.O. completion unit.	
4/17/75	TD 3,148'. W.O. completion unit.	
4/18/75	TD 3,148'. W.O. completion unit. TEC \$106,689. TCTD \$56,829.	
4/19/75	TD 3148'. W.O. completion unit.	
4/20/75	TD 3148'. W.O. completion unit.	
4/21/75	TD 3148'. W.O. completion unit.	
4/22/75	TD 3148'. W.O. completion unit.	
4/23/75	TD 3148'. Prep to run Cmt Bond & CC Log. MI & RU completion unit.	
4/24/75	TD 3148', PBTD 3111', Council Grove 2992-3016' (4 sets perfs). Prep to swab test after perforating. Tested csg to 1000 psi for 30 min, held OK. Ran Wellex Cmt Bond & CC Log from 777' to 3111' (PBTD). Found top cmt @ 998'. Good cmt bond 2191-2887', poor bond 2887-2891', good bond 2891-2901', Poor bond 2901-2916', good bond 2916-2924', poor bond 2924-2928', good bond 2928-3111'. Swb'd & bailed hole dry. Perf'd Council Grove 2992-97', 2999-3001', 3003-3011', 3013-3016' (36 jets) SD.	
4/25/75	TD 3148', PBTD 3111', Council Grove 2992-3016' (4 sets perfs). Prep to run tbq & acidize. Swb'd 8 BLW in 2 hrs & well swb'd dry. Then swb'd 0 BLW in 4 hrs. No show gas. TEC \$106,689. TCTD \$59,129.	

CITIES SERVICE OIL COMPANY

Daily Well History - Interim Report

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LEASE / UNIT NAME AND WELL NO.		REGION
ALEXANDER "D" #2		Mid-Cont (South)
COUNTY-PARISH-STATE-PROVINCE	FIELD OR PROSPECT NAME	WELL NUMBER
Grant County, Kansas	Panoma Council Grove Field	9-1577369
DATE AND DEPTH	DESCRIPTION OF WORK PERFORMED	
3/19/75	<p>Coring @ 3,090' (72') Ls. Mud Wt 9.8, Visc 46, WL 6, LCM 4#.</p> <p>Core #3 - Council Grove 2,982-3,040'. Cut & recovered 58' in 16 hrs.</p> <p>Core Description:</p> <p>2,982-2,987.9 Im</p> <p>2,987.9-3,001.5 Siltstone</p> <p>3,001.5-3,003.5 Im</p> <p>3,003.5-3,015.4 Siltstone ✓</p> <p>3,015.4-3,018.5 Im</p> <p>3,018.5-3,022.2 Claystone</p> <p>3,022.2-3,037.3 Im</p> <p>3,037.3-3,040 Sh</p> <p style="text-align: right;">TCTD \$40,000</p>	
3/20/75	<p>Drl'g @ 3,141' (51') Sh. Mud Wt 9.8, Visc 50, LCM 4#, WL 7.6.</p> <p>Core #4 - Council Grove 3,040-3,096'. Cut 56' & rec 56' in 15 hrs.</p> <p>Core Description:</p> <p>3,040-3,060.8' Siltstone</p> <p>3,060.8-3,064.1' Claystone</p> <p>3,064.1-3,090.8' Im</p> <p>3,090.8-3,096' Siltstone</p> <p>Core #5 - Council Grove 3,096-3,121'. Cut 25' & rec 25' in 10 hrs.</p> <p>Core Description:</p> <p>3,096-3,106.6' Siltstone</p> <p>3,106.6-3,108.2' Im</p> <p>3,108.2-3,109.8' Siltstone</p> <p>3,109.8-3,111.4' Claystone</p> <p>3,111.4-3,121' Im</p> <p>Ran Bit #5 (7-7/8") & started drl'g @ 3,121'.</p>	
3/21/75	<p>TD 3,148' (7') Im. WOC. Mud Wt 9.6, Visc 50, LCM 4#, WL 8. Cond hole 2 hrs. POOH. Ran Schlumberger Dual Induction Laterlog, Compensated Formation Density w/Gamma Ray-Caliper, Borehole Compensated Sonic & Proximity Microlog. Loggers TD 3,148'. Ran DP. Conditioned hole 1½ hrs. POOH. Ran 85 jts of 4½", 10.7# ST&C csg (3140') & set @ 3,147'. Cmt w/300 sx Lite pozmix w/1/4# flocele .8 of 1% CFR-2 followed by 150 sx 50/50 pozmix w/2% gel w/.8 of 1% CFR-2, 10% salt. Good returns. Plug down @ 4:30 a.m. 3/21/75. Rotating scratchers 2,900 -3,100'. Eight centralizers @ 3,138', 3,071', 2,981', 2,908', 2,779', 2,686', 2,620' & 1,836'. Bare pipe 2,900 to 3,100'. Released rig @ 5:00 a.m. 3/21/75. TEC \$49,254. TCTD \$56,829.</p>	
3/22/75	TD 3,148'. WOC.	
3/23/75	TD 3,148'. WOC.	
3/24/75	TD 3,148'. W.O. completion unit.	

CITIES SERVICE OIL COMPANY

Daily Well History - Interim Report

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LEASE / UNIT NAME AND WELL NO.		REGION
ALEXANDER "D" #2		Mid-Cont (South)
COUNTY - PARISH - STATE - PROVINCE	FIELD OR PROSPECT NAME	WELL NUMBER
Grant County, Kansas	Panama Council Grove Field	
DATE AND DEPTH	DESCRIPTION OF WORK PERFORMED	
3/13/75	Drl'g @ 1,920' (1,120') Anhy. Mud Wt 9.5, Visc 32, LCM 4#, 1/2 degree @ 1,200', 1/2 degree @ 1,570'. W.O.C. 12 hrs. Tested csg to 500 psi for 30 min, held OK. Drl'd out w/7-7/8" bit @ 10:30 a.m. 3/12.	
3/14/75	Drl'g @ 2,495' (575') Im. Mud Wt 9.7, Visc 36, LCM 3#. 3/4 degree @ 1,985'. Trip for bit #4 @ 1,985'. TEC \$49,254. TCID \$23,644.	
3/15/75	Drl'g @ 2,864' (369') Im. Mud Wt 9.6, Visc 38, LCM 4#, WL 11..	
3/16/75	Coring @ 2,920' (59') Im. Mud Wt 9.5, Visc 39, LCM 4#, WL 9. Drl'd to 2,881'. Circ 1 1/2 hrs. POOH. Found 2 bit teeth missing. Ran DP w/bit & junk basket. Circ 2 hrs. POOH. Rec no iron in basket. Ran 7-27/32 corehead & 4" x 6 1/2" x 60' core barrel to 2,881'. Cored 39' in 10 hrs. TCID \$30,972.	
3/17/75	Coring @ 2,962' (42') Im. Mud Wt 9.6, Visc 43, LCM 4#, WL 7.7. Drl'd to 2,881'. Circ 1 1/2 hrs. POOH. Found 2 bit teeth missing. Ran DP w/bit & junk basket. Circ 2 hrs. POOH. Rec no iron in basket. Ran 7-27/32 corehead & 4" x 6 1/2" x 60' core barrel to 2,881'. Core #1: Council Grove 2,881-2,923' (42') in 10 1/2 hrs & core barrel jammed. Rec 42'. 2,881-2,887.3' Im 2,887.3-2,901.9' Sh 2,901.9-2,903.5' Dolomite ✓ 2,903.5-2,906.8' Sh 2,906.8-2,913.4' Dolomite 2,913.4-2,915' Sh 2,915-2,920.2' Sh & Shly lime 2,920.2-2,923' Lime	
3/18/75	Coring @ 3,018' (56') Ls. Mud Wt 9.7, Visc 46, WL 6.8, LCM 4#. Core #2 - Council Grove 2,923-82'. Cut & recovered 59' in 20 hrs. Core description: 2,923-38.6' Im 2,938.6-55.5' Siltstone 2,955.5-55.8' Sh 2,955.8-66.2' Im 2,966.2-77' Siltstone 2,977-78' Clay 2,978-82' Im	

2881-2923

2923-2982

CITIES SERVICE OIL COMPANY

Daily Well History - Initial R

INSTRUCTIONS: Submit an Initial Report on or before the first Wednesday after spudding. Complete applicable data and begin in the appropriate s daily chronological record of drilling activity. Daily work prior to spudding should be summarized giving inclusive dates only. Include in the initial summ exact surface location of the drill site and if the well is directionally drilled, also report bottom hole location at projected TD. Description of work perform the Initial Report after spud date should be a complete report of each days Drilling Activity. Significant workovers may also be recorded on an Initial Rep.

LEASE/UNIT NAME & WELL NO. ALEXANDER D #2		OPERATOR CSOC		REGION Mid-Cont (South	
COUNTY - PARISH - STATE - PROVINCE Grant County, Kansas		FIELD OR PROSPECT NAME Panoma Council Grove Field		AFE NUMBER 9-1577369	APPRO 07P7
NET ACRES IN DRLG.BLK. 180,000	PROJECTED TD & DEEPEST OBJECTIVE FORMATION 3145' Council Grove		SEC.REC.PROJECTING - - -	AUXILIARY COST CENT 7-1501610	
SPUD DATE & HOUR 3/11/75 9:15 a.m.	KIND OF RIG Rotary	DEPTH OF WATER - - -	OFFSHORE GROUP - - -	API WELL NUMBER 15-067-20338	
ELEVATION KB 3098 GL 3090		ORIGINAL COST ESTIMATE \$49,254	DRLG. COST INTEREST IF DIFFERENT FROM GROSS WI - - -		CO. GROSS WI 100%
				NET REV 87.5	

DATE AND DEPTH

DESCRIPTION OF WORK PERFORMED

3/9/75

3/11/75

3/12/75

Owner: Lester Alexander Estate
Alford Alexander RFD 2
Ulysses, Ks.
Phone: 316-356-1783

Dr'l'g Contr: Earl Wakefield, Rig #1
Phone: 316-624-2366
Pusher: *Herb Marrell
Phone: **316-624-6117 Liberal
Mud Co: Davis Mud & Chem Co.
Phone: 316-624-5892 Liberal
Mud Engr: Dick McBride
Phone: Res. 316-624-5892
Answ Serv:
Geologist: Bill Fleck
*Box 1203, Liberal, Ks. 67901
**Mobil YK 58289, Reg out of Liberal, Ks.

Tenant: Same as above

Crop: Irrigated Corn

L&S Elev: 3090' GL 3098' DF 3100' KB

(C NE/4 Section 29-27S-35W, Grant County, Kansas. 3145' Council Grove Test Well.

Location staked. Leveled location & dug rotary pits. MI & RU rotary. SI due to snow storm & high winds.
SD for weather. Plan on spudding today.
TD 800' (800') Red Bed. WOC. Native Mud.
Spudded 12 1/4" hole @ 9:15 a.m. 3/11/75. Trip for bit @ 552' & 627'.
Hole made @ 6:00 p.m. Circ 1 1/2 hrs. POOH. Ran 19 jts 8-5/8", 28.5# line csg & set @ 799'. Cmt w/200 sx Howco Lite w/2% CaCl & 1/2# flocele followed by 200 sx Class H w/2% CaCl & 1/4# flocele. Cmt circ (40 sx to pit). Plug dn 10:30 p.m. 3/11/75. Three centralizers @ 100', 657' and 769'. TCTD \$6998.

Directions From Ulysses KS go 8 miles east on Hwy 160 to Hickok KS then 8 miles North on blacktop, 4 miles east on blacktop; 1/4 mile south, then 1320' west to location.