

ORIGINAL

SIDE ONE

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

Operator: License # 4549Name: ANADARKO PETROLEUM CORPORATIONAddress P. O. BOX 351City/State/Zip LIBERAL, KANSAS 67905-0351Purchaser: ANADARKO ENERGY SERVICESOperator Contact Person: G. B. SMITHPhone (316) 624-6253Contractor: Name: NALicense: NAWellsite Geologist: NADesignate Type of Completion
 New Well Re-Entry X Workover

 Oil SWD SLOW Temp. Abd.
 X Gas ENHR SIGW
 Dry Other (Core, WSW, Expl., Cathodic, etc)

If Workover:

Operator: ANADARKO PETROLEUM CORPORATIONWell Name: INTERSTATE 2-20Comp. Date 8-3-78 Old Total Depth 2969

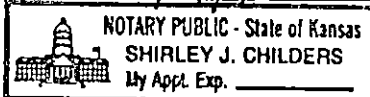
 Deepening Re-perf. Conv. to Inj/SWD
 X Plug Back 2798 PBTD
 Commingled Docket No.
 Dual Completion Docket No.
 Other (SWD or Inj?) Docket No.

4-3-97 6-1-97
Spud Date Date Reached TD Completion Date

API NO. 15- 129-20358-0001County MORTON - - SW - NE Sec. 20 Twp. 34S Rge. 43 E1710 Feet from (S)N (circle one) Line of Section1980 Feet from (E)W (circle one) Line of SectionFootages Calculated from Nearest Outside Section Corner:
NE, (SE), NW or SW (circle one)Lease Name INTERSTATE Well # 2-20Field Name GREENWOODProducing Formation WABUNSEE & TOPEKAElevation: Ground 3484 KB Total Depth 2969 PBTD 2798Amount of Surface Pipe Set and Cemented at 315 FeetMultiple Stage Cementing Collar Used? Yes NoIf yes, show depth set FeetIf Alternate II completion, cement circulated from feet depth to W/ sx cmt.Drilling Fluid Management Plan Re-work, 5-15-98 U.C.
(Data must be collected from the Reserve Pit)
NOT APPLICABLEChloride content ppm Fluid volume bblsDewatering method used Location of fluid disposal if hauled offsite: Operator Name Lease Name License No. Quarter Sec. Twp. S Rng. E/WCounty Docket No.

INSTRUCTIONS: An original and two copies of this form shall be filed with the Kansas Corporation Commission, 130 S. Market - Room 2078, Wichita, Kansas 67202, within 120 days of the spud date, recompletion, workover or conversion of a well. Rule 82-3-130, 82-3-106 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 geologist well report shall be attached with this form. ALL CEMENTING TICKETS MUST BE ATTACHED. 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 Shawn D. YoungTitle DIVISION PRODUCTION ENGINEER Date 2/13/98Subscribed and sworn to before me this 13th day of February 19 98.Notary Public Shirley J. ChildersDate Commission Expires 11/14/98

K.C.C. OFFICE USE ONLY
F Letter of Confidentiality Attached
C Wireline Log Received
C Geologist Report Received

Distribution:
 X KCC DE SWD/Rep NGPA
 KGS Plug Other
STATE (Specify)

Form ACO-1 (7-91)
OIL & GAS CONSERVATION DIVISION
WICHITA, KANSAS

SIDE TWO

Operator Name ANADARKO PETROLEUM CORPORATION Lease Name INTERSTATE Well # 2-20Sec. 20 Twp. 34S Rge. 43
☐ East
☒ WestCounty MORTON

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
(Attach Additional Sheets.)Samples Sent to Geological Survey ☐ Yes ☒ NoCores Taken ☐ Yes ☒ NoElectric Log Run ☐ Yes ☒ No
(Submit Copy.)

List All E.Logs Run:

☒ Log Formation (Top), Depth and Datums ☐ Sample

Name Top Datum

SEE ATTACHED DRILLERS LOG

** Original Completion

CASING RECORD

☒ New ☐ 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	12-1/4"	8-5/8"	24.0	315	COMMON	350	.3% CACL
** PRODUCTION	7-7/8"	4-1/2"	10.5	2963	POZMIX	150	.5% CFR2

ADDITIONAL CEMENTING/SQUEEZE RECORD

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

Shots Per Foot	PERFORATION RECORD - Bridge Plugs Set/Type Specify Footage of Each Interval Perforated	Acid, Fracture, Shot, Cement Squeeze Record (Amount and Kind of Material Used)	Depth
	CIBP @ 2935	ACIDIZE W/ 3500 GAL 15% DSFE	2740-2857
3	2841-2857, 2803-2809, 2779-2783, 2740-2747 (TOPEKA)		
	SET CMT RETAINER @ 2798		
TUBING RECORD	Size 2-3/8 Set At 2922 Packer At	Liner Run <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
Date of First, Resumed Production, SWD or Inj. RESUMED: 4-10-97		Producing Method <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 0 Bbls.	Gas 85 Mcf	Water 55 Bbls. Gas-Oil Ratio -- Gravity

Disposition of Gas:

METHOD OF COMPLETION

Production Interval

☐ Vented ☒ Sold ☐ Used on Lease
(If vented, submit ACO-18.)☐ Open Hole ☒ Perf. ☐ Dually Comp. ☐ Commingled 2747-2841☐ Other (Specify) 2478-2654

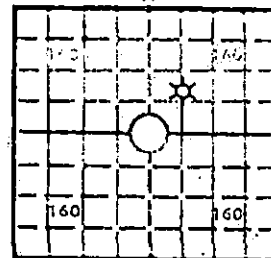
KANSAS DRILLERS LOG

ORIGINAL

S. 20 T. 34S R. 43W

Loc. 1980'FEI 1710'FNI

County Morton

640 Acres
N

Locate well correctly

Elev.: Gr. 3484

DF _____ KB _____

API No. 15 — 129 — 20358
County NumberOperator
Pan Eastern Exploration Co.Address
Box 828 Liberal, Ks. -67351- 67901

Well No. #2 Lease Name Interstate

Footage Location
1710 feet from (N) line 1980 feet from (E) linePrincipal Contractor Geologist
Gabbert-Jones C. L. Gadson

Spud Date 6/21/78 Total Depth 2970 P.B.T.D. -----

Date Completed 8/3/78 Oil Purchaser

CASING RECORD

Report of all strings set — surface, intermediate, production, etc.

Purpose of string	Size hole drilled	Size casing set (in O.D.)	Weight lbs/ft.	Setting depth	Type cement	Sacks	Type and percent additives
Surface	12-1/4	8-5/8	24	315	Common	350	3% CaCL
Production	7-7/8	4-1/2	10.5	2968	Pozmix	150	.5% CFR2

LINER RECORD

PERFORATION RECORD

Top, ft.	Bottom, ft.	Sacks cement	Shots per ft.	Size & type DP	Depth interval
			2		
TUBING RECORD			2942-48	2728-32	2652-54 2515-20
Size 2-3/8	Setting depth 2950	Packer set at None	2910-20	2712-16	2498-02 2478-82

ACID, FRACTURE, SHOT, CEMENT SQUEEZE RECORD

Amount and kind of material used	Depth interval treated
9,000 gals Dolotrol acid and 100 ball sealers.	overall

INITIAL PRODUCTION

Date of first production	Producing method (flowing, pumping, gas lift, etc.) flow
RATE OF PRODUCTION PER 24 HOURS	Oil _____ bbls. Gas 2000 MCF Water _____ bbls. Gas-oil ratio _____ CFPB
Disposition of gas (vented, used on lease or sold) To be sold	Producing interval (s) Greenwood Series

INSTRUCTIONS: As provided in KCC Rule 82-2-125, within 90 days after completion of a well, one completed copy of this Drillers Log shall be transmitted to the State Geological Survey of Kansas, 4150 Monroe Street, Wichita, Kansas 67209. Copies of this form are available from the Conservation Division, State Corporation Commission, 3830 So. Meridian (P.O. Box 17027), Wichita, Kansas 66217. Phone AC 316-522-2206. If confidential custody is desired, please note Rule 82-2-125. Drillers Logs will be on open file in the Oil and Gas Division, State Geological Survey of Kansas, Lawrence, Kansas 66044.

Operator Pan Eastern Exploration Company		DESIGNATE TYPE OF COMP.: OIL, GAS, DRY HOLE, SWDW, ETC.: Gas
Well No. 2	Lease Name Interstate	
S 20 T 34 R 43 E W		


WELL LOG

Show all important zones of porosity and contents thereof; cored intervals, and all drill-stem tests, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures, and recoveries.

SHOW GEOLOGICAL MARKERS, LOGS RUN,
OR OTHER DESCRIPTIVE INFORMATION.

FORMATION DESCRIPTION, CONTENTS, ETC.	TOP	BOTTOM	NAME	DEPTH
Sand-Surface Clay-Redbed	0	325		
Redbed	325	725		
Redbed-Sand	725	1162		
Sand-Redbed-Anhy	1162	1188		
Sand-Redbed	1188	1775		
Shale	1775	1862		
Lime+Shale	1862	2970...		
		2970-TD		

USE ADDITIONAL SHEETS, IF NECESSARY, TO COMPLETE WELL RECORD.

Date Received	 Signature Joe Krafft	
	Region Production Engineer	
	Title	
	August 7, 1978	
		Date