

TYPE

AFFIDAVIT OF COMPLETION FORM

ACO-1 WELL HISTORY

SIDE ONE

Compt. _____

Two (2) copies of this form shall be filed with the Kansas Corporation Commission, 200 Colorado Derby Building, Wichita, Kansas 67202, within thirty (30) days after the completion of a well, regardless of how the well was completed.

F XX Attach separate letter of request if the information is to be held confidential. If confidential, only file one copy. Information on Side One will be of public record and Side Two will then be held confidential.

Applications must be made on dual completion, commingling, salt water disposal, injection and temporarily abandoned wells.

C Attach one copy only wireline logs (i.e. electrical log, sonic log, gamma ray neutron log, etc.). (Rules 82-2-105 & 82-2-125) KCC# (316) 263-3238. No Log

LICENSE # 5670 EXPIRATION DATE June 30, 1983

OPERATOR IREX Corp. API NO. 15-119-20,551-00-00

ADDRESS 1670 Broadway, Suite 3301 COUNTY Meade

Denver, Colorado 80202 FIELD Wildcat McKinney

** CONTACT PERSON Linda Drennen/Production Supervisor PROD. FORMATION Chester
PHONE (303) 571-5736

PURCHASER Not assigned LEASE EDIGER

ADDRESS _____ WELL NO. 1-36

DRILLING J. B. Bohannon Drlg., Inc. WELL LOCATION SW/SW/NE

CONTRACTOR _____ 990 Ft. from West Line and

ADDRESS P. O. Box 6 990 Ft. from South Line of (E)

Liberal, Kansas 67901 the (Qtr.) SEC 36 TWP 33S RGE 27 (W).

PLUGGING N/A

CONTRACTOR _____

ADDRESS _____

TOTAL DEPTH 6489 PBD 5500

SPUD DATE 4-08-82 DATE COMPLETED 3-11-83

ELEV: GR 24672467 DF 2478 KB 2479

DRILLED WITH (CABLE) (ROTARY) (AIR) TOOLS.

DOCKET NO. OF DISPOSAL OR REPRESSURING WELL BEING USED TO DISPOSE OF WATER FROM THIS LEASE _____

Amount of surface pipe set and cemented 1448 DV Tool Used? Yes

THIS AFFIDAVIT APPLIES TO: (Circle ONE) - Oil, Gas, Shut-in Gas, Dry, Disposal, Injection, Temporarily Abandoned, OWWO. Other _____

ALL REQUIREMENTS OF THE STATUTES, RULES AND REGULATIONS PROMULGATED TO REGULATE THE OIL AND GAS INDUSTRY HAVE BEEN FULLY COMPLIED WITH. Yes

WELL PLAT

(Office Use Only)

KCC
KGS
SWD/REP _____
PLG. _____

A F F I D A V I T

I, William H. Bayliff, Operations Manager, being of lawful age, hereby certifies that:

I am the Affiant, and I am familiar with the contents of the foregoing Affidavit. The statements and allegations contained therein are true and correct.

William H. Bayliff
(Name)

SUBSCRIBED AND SWORN TO BEFORE ME this 27th day of June, 19 83.

Mary J. Warner
(NOTARY PUBLIC)

MY COMMISSION EXPIRES: June 9, 1985

** The person who can be reached by phone regarding any questions concerning this information. RECEIVED
STATE CORPORATION COMMISSION

JUN 30 1983

CONSERVATION DIVISION
Wichita, Kansas

OPERATOR IREX Corp.

LEASE EDIGER

SEC. 36 TWP. 33S RGE. 27 (W)

FILL IN WELL INFORMATION AS REQUIRED:

WELL NO. 1-36

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
Check if no Drill Stem Tests Run.				
DST #1, 5849-5925', Morrow. Open 30-60-60-120 min. IHP 2817 FHP 2817 IFP 66-66 FFP 66-66 ISIP 100 FSIP 116 Rec. 80' DM First op-wk. blow. Second op-wk blow/no GTS.				
DST #2, 5924-6004', Chester. Open 30-60-60-120 min. IHP 2950 FHP 2916 IFP 66-66 FFP 66-66 ISIP 116 FSIP 383. Rec. 93' DM 1st op-fair blow, 2nd op-wk. blow & sly. inc., NGTS.				
DST #3, 6187-6248', Lw. Chester. Op 30-60-60-120 min. IHP 3033 FHP 2916 IFP 83-83 FFP 83-83 ISIP 333 FSIP 1197 Rec. 95' DM. 1st op-wk blow inc. to good blow 2nd op-good blow off btm. bucket				
DST #4, 5889-5930', U. Chester. Op 15-60-30-120 min. IHP 2878 FHP 2878 IFP 316-333 FFP 383-400 ISIP 1940 FSIP 1643 Rec. 550' DM (top pkr. failed to hold on 1st attempt to set DST tool). 1st op-wk. blow, 2nd op-no blow.				
CNDL	2500	6484		
Heebner (-2071)	4550			
Marmaton (-2871)	5350			
Morrow (-3363)	5842			
U. Chester (-3410)	5889	5930		
Chester (-3443)	5922			
Lw. Chester (-3705)	6184			
If additional space is needed use Page 2, Side 2				

Report of all strings set—surface, intermediate, production, etc. CASING RECORD (New) or (Used)

Purpose of string	Size hole drilled	Size casing set (in O.D.)	Weight lbs/ft.	Setting depth	Type cement	Sacks	Type and percent additives
conductor	30"	20"		72'	grout	6sx.	
surface	12 1/4"	8 5/8"	23#	1448'	Class "H"	700	6% gel, 2% CC 3% CC
production	7 7/8"	4 1/2"	10.5#	6312'	Class "H" Howco	175	18% slt, 12.5# sx. gilsonite, 3% CFR-2 +2% gel, 18% slt.

LINER RECORD

PERFORATION RECORD

Top, ft.	Bottom, ft.	Sacks cement	Shots per ft.	Size & type	Depth interval
TUBING RECORD			Chester	3SPF	6191-6224
Size	Setting depth	Packer set at			
2 3/8"	6185'	6140'			

ACID, FRACTURE, SHOT, CEMENT SQUEEZE RECORD

Amount and kind of material used	Depth interval treated
10,000 gals. 28% HCL of stages of 2000 gals. gel pad, 5000 gals. 28% HCL, 2000 gals. gell pad, drop 20 ballsealers, follow w/ 5000' 28% HCL	6191-6198-6218-6224

Date of first production SI WO PL	Producing method (flowing, pumping, gas lift, etc.) will be flowing	Gravity
--------------------------------------	--	---------

Estimated Production -I.P.	Oil 0 bbls.	Gas 100 MCF	Water % 0 bbls.	Gas-oil ratio N/A	CFPB
----------------------------	-------------	-------------	-----------------	-------------------	------

Disposition of gas (vented, used on lease or sold)

WO PL

Perforations 6191-6224

APR 19 1983

STATE OF KANSAS - CORPORATION COMMISSION
MULTIPOINT BACK PRESSURE TEST

FORM G-1
8-7-58

IREX Corp.

TYPE TEST: 4-Pt. Initial Annual Special TEST DATE: 4-12-83

COMPANY Irex LEASE Ediger WELL NO. 1-36

COUNTY Meade LOCATION CE-SW-NE SECTION 36 TWP 33S RNG 27W ACRES 640

FIELD RESERVOIR Chester PIPELINE CONNECTION None

COMPLETION DATE PLUG BACK TOTAL DEPTH 6000 PACKER SET AT 5860

CASING SIZE 4 1/2 WT. 10.5 ID SET AT 6248 PERF. 5890 TO 5907

TUBING SIZE 2 3/8 WT. 4.7 ID. 1.995 SET AT 5860 PERF. TO

TYPE COMPLETION (Describe) Single gas TYPE FLUID PRODUCTION Cond/Water

PRODUCING THRU Tbg. RESERVOIR TEMPERATURE F BAR PRESS - P_a 14.4 Psia

GAS GRAVITY - G_g .670 Assumed % CARBON DIOXIDE % NITROGEN API GRAVITY OF LIQUID

VERTICAL DEPTH (H) 5898 TYPE METER CONN. None (METER RUN) (PROVER) SIZE XX 2"

REMARKS * Pw calc. from Pt.

OBSERVED DATA

DURATION OF SHUT-IN 30+ Days

RATE No.	ORIFICE SIZE in.	(METER) (PROVER) PRESSURE psig	DIFF. (h _w) (h _d)	FLOWING TEMP. t	WELL-HEAD TEMP. t	CASING WELLHEAD PRESS.		TUBING WELLHEAD PRESS.		DURATION HOURS	LIQUID PROD. Bbls.
						psig	(P _w)(P _t)(P _c) psia	psig	(P _w)(P _t)(P _c) psia		
SHUT IN						249-PKR	877.4	863	877.4	30+ Days	
1	3/32	842		68		249-PKR	*856.7	842	856.4	1.0	0
2	1/8	815		70		249-PKR	*830.4	815	829.4	1.0	0
3	5/32	773		70		249-PKR	*789.7	773	787.4	1.0	0
4	3/16	623		70		249-PKR	*641.6	623	637.4	1.0	0
5	1/4	421		69		249-PKR	*444.6	421	435.4	1.0	Trace

RATE OF FLOW CALCULATIONS

RATE NO.	COEFFICIENT (F _p) (F _p) Mcfd	(METER) (PROVER) PRESSURE psia	EXTENSION $\sqrt{P_m \times h_w}$	GRAVITY FACTOR F _g	FLOWING TEMP FACTOR F _t	DEVIATION FACTOR F _{pv}	RATE OF FLOW Q Mcfd	GOR	G _m
1	.1446	856.4		1.222	.9924	1.096	165	0	0
2	.2716	829.4		1.222	.9905	1.090	297	0	0
3	.4088	787.4		1.222	.9905	1.099	428	0	0
4	.6237	637.4		1.222	.9905	1.068	514	0	0
5	1.115	435.4		1.222	.9915	1.047	616	0	0

PRESSURE CALCULATIONS

RATE NO.	P _t psia	P _c psia	P _w psia	(P _c) ² THOUSANDS	(P _w) ² THOUSANDS	PLOTTING POINTS		100 $\frac{P_w - P_a}{P_c - P_a}$
						(P _c) ² - (P _w) ² THOUSANDS	Q Mcfd	
1	856.4	877.4	856.7	769.8	733.9	35.9	165	97.6%
2	829.4	877.4	830.4	769.8	689.6	80.2	297	94.5%
3	787.4	877.4	789.7	769.8	623.6	146.2	428	89.8%
4	637.4	877.4	641.6	769.8	411.7	358.1	514	72.7%
5	435.4	877.4	444.6	769.8	197.7	572.1	616	49.8%

INDICATED WELLHEAD OPEN FLOW 715 Mcfd @ 14.65 psia "n" = 0.500 Assumed

The undersigned authority, on behalf of the Company, states that he is duly authorized to make the above report and that he has knowledge of the facts stated therein, and that said report is true and correct.

Executed this the _____ day of _____, 19____

JUN 30 1983

Witness (if any)

For Commission

CONSERVATION DIVISION
Wichita, Kansas

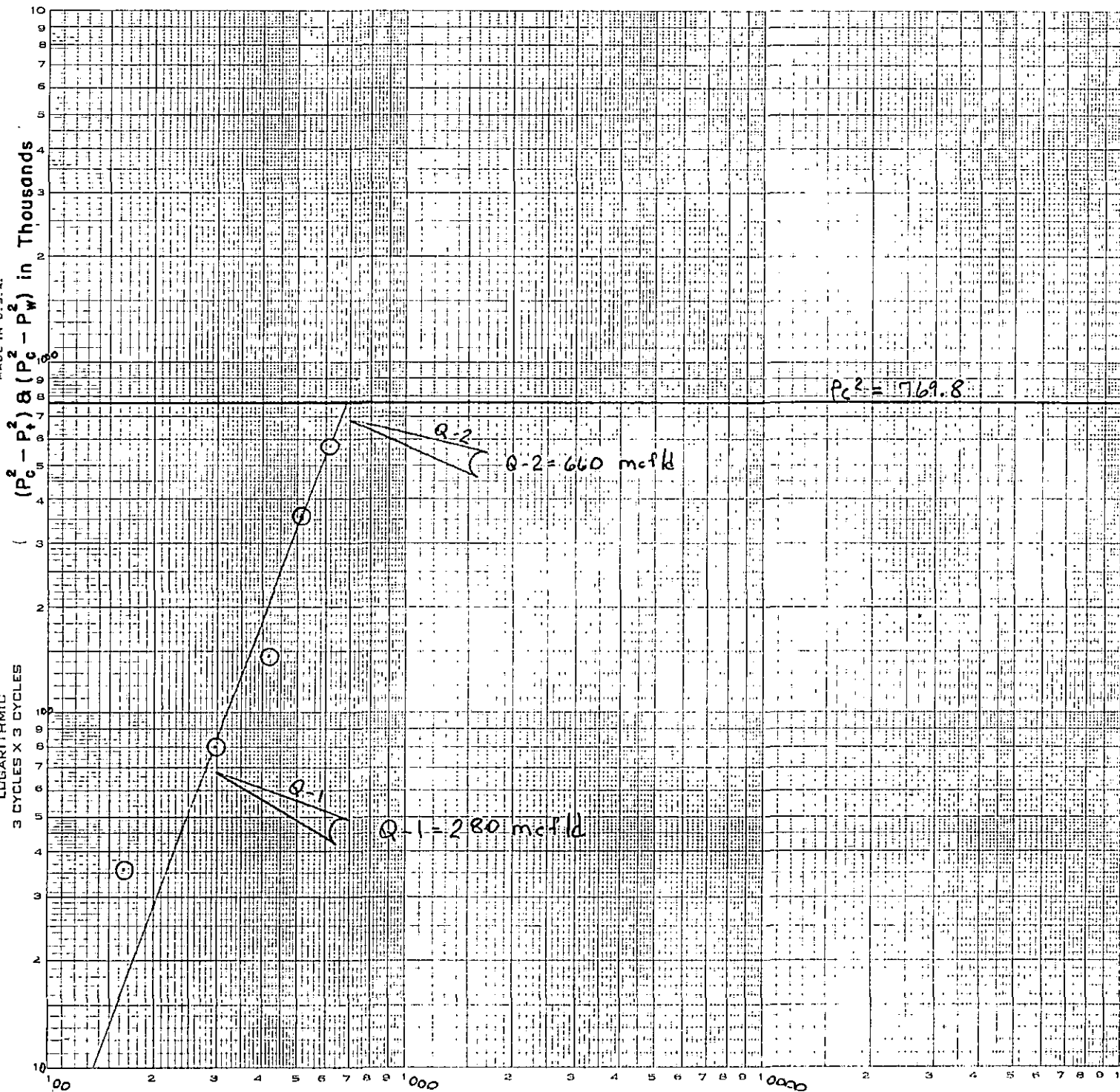
For Company

Checked by

BACK PRESSURE CURVE

Operator IREX Lease Ediger Well No. 1-36
 County Meade Field _____ Location CE-SW-NE 36-33S-27W
 Date of Test 4-12-83 Slope "n" -- W.H. 0.500 Abs.
 Calc. W.H. Potential -- MCF/D Calc. Abs. Potential 715 MCF/D

DIETZGEN CORPORATION
 MADE IN U.S.A.
 ND. 341-L33 DIETZGEN GRAPH PAPER
 LOGARITHMIC
 3 CYCLES X 3 CYCLES



Q in MCF/Day

$\log Q-2 = 2.8195$
 $\log Q-1 = 2.4472$
 $"n" = 0.3723$
 Assumed "n" = 0.500

OKLAHOMA CORPORATION COMMISSION - OIL & GAS CONSERVATION DIVISION
380 JIM THORPE BUILDING, OKLAHOMA CITY, OKLAHOMA 73105
WORK SHEET FOR CALCULATION OF STATIC COLUMN WELLHEAD PRESSURES (P_c or P_w)

COMPANY IREX LEASE Ediger WELL NO. 1-36 DATE 4-12-83
5898 M 1.00 G .670 assumed %N₂ %H₂S
1.995 F_r 0.017777 GH 3952 P_{cr} 669 T_{cr} 382

LINE	Rate-1	Rate-2	Rate-3	Rate-4	Rate-5					
1. Q _m	.165	.297	.428	.514	.616					
2. T _w	534	534	534	534	534					
3. T _s	595	595	595	595	595					
4. T	565	565	565	565	565					
5. z	0.850	0.862	0.866	0.866	0.871	0.872	0.894	0.894	0.926	0.926
6. TZ	480	487	489	489	492	493	505	505	523	523
7. GH/TZ	8.2333	8.11499	8.08180	8.08180	8.03252	8.01623	7.82574	7.82574	7.55641	7.55641
8. e ^s	1.362	1.356	1.354	1.354	1.352	1.351	1.341	1.341	1.328	1.328
9. 1-e ^{-s}	0.266	0.263	0.261	0.261	0.260	0.260	0.254	0.254	0.247	0.247
10. P _c OR P _t	856.4	856.4	829.4	829.4	787.4	787.4	637.4	637.4	435.4	435.4
11. P _c ² OR P _t ²	733.4	733.4	687.9	687.9	620.0	620.0	406.3	406.3	189.6	189.6
12. F _r	0.017777	0.017777	0.017777	0.017777	0.017777	0.017777	0.017777	0.017777	0.017777	0.017777
13. F _c = F _r TZ	8.53296	8.65740	8.65740	8.69300	8.69300	8.74628	8.76406	8.97739	8.97739	9.29737
14. F _c Q _m	1.40794	1.42847	2.57125	2.58181	3.72058	3.74341	4.50473	4.61438	5.53007	5.72718
15. L/H (F _c Q _m) ²	1.98230	2.04053	6.61131	6.66573	13.8427	14.0131	20.2926	21.2925	30.5817	32.8006
16. F = L/H (F _c Q _m) ² (1-e ^{-s})	.52729	.53666	1.73878	1.73975	3.61296	3.64341	5.27607	5.40829	7.76775	8.10175
17. P _w ² = P _t ² + F _w	733.297	733.937	689.639	689.640	623.613	623.643	411.576	411.708	197.368	197.702
18. P _f ² OR P _s ² = e ^s P _c ² OR e ^s P _w ²	999.609	995.218	935.150	933.772	844.372	843.166	556.039	552.101	264.670	262.548
19. P _f OR P _s	999.804	997.606	967.032	966.319	918.897	918.241	745.680	743.035	514.461	512.394
20. P	928.1	927.0	898.2	897.9	853.1	852.8	691.5	690.2	474.9	473.9
21. P _r	1.39	1.39	1.34	1.34	1.28	1.27	1.03	1.03	.71	.71
22. T _r	1.48	1.48	1.48	1.48	1.48	1.48	1.48	1.48	1.48	1.48
23. z	.862	.862	.866	.866	.871	.872	.894	.894	.926	.926

STATE OF KANSAS - CORPORATION COMMISSION
ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

FORM O-2
8-7-58

TYPE TEST: Deliverability Open Flow **TEST DATE:** 4-13-83

COMPANY: IREX **LEASE:** Ediger **WELL NO.:** 1-36

COUNTY: Meade **LOCATION:** CE-SW-NE **SECTION:** 36 **TWP:** 33S **RNG:** 27W **ACRES:** 640

FIELD: Chester **RESERVOIR:** Chester **PIPELINE CONNECTION:** none

COMPLETION DATE: **PLUG BACK TOTAL DEPTH:** 6000 **PACKER SET AT:** 5860

CASING SIZE: 4 1/2 **WT.:** 10.5 **I.D.:** **SET AT:** 6248 **PERF.:** 5890-5907 **TO:** **TYPE TEST:** **TO:** **TYPE TEST:**

TUBING SIZE: 2 3/8 **WT.:** 4.7 **I.D.:** 1.995 **SET AT:** 5860 **PERF.:** **TO:** **TYPE TEST:**

TYPE COMPLETION (Describe): Single Gas **TYPE FLUID PRODUCTION:** Cond./Water

PRODUCING THRU: Tbg. **RESERVOIR TEMPERATURE F:** **BAR. PRESS - P_a:** 14.4 Psia

GAS GRAVITY - G_g: .670 assumed **% CARBON DIOXIDE:** **% NITROGEN:** **API GRAVITY OF LIQUID:**

VERTICAL DEPTH (H): 5898 **TYPE METER CONN.:** none **(METER RUN)(PROVER) SIZE:** XX 2"

SHUT-IN PRESSURE; SHUT IN: 30+ days. 19 83 AT 9:30 (AM)(PM) TAKEN 4-12 19 83 AT 9:30 (AM)(PM) TAKEN 4-12 19 83 AT 9:30 (AM)(PM) TAKEN 4-12 19 83 AT 9:30 (AM)(PM) TAKEN

FLOW TEST: STARTED: 4-12 19 83 AT 9:45 (AM)(PM) TAKEN 4-13 19 83 AT 9:45 (AM)(PM) TAKEN 4-13 19 83 AT 9:45 (AM)(PM) TAKEN 4-13 19 83 AT 9:45 (AM)(PM) TAKEN

* Pw calc. from Pt

OBSERVED DATA

DURATION OF SHUT-IN _____ HR.

SHUT-IN OR FLOW	ORIFICE SIZE in.	(METER) (PROVER) PRESSURE psig	DIFF. in. (h _w (h _d))	FLOWING TEMP. t	WELL-HEAD TEMP. t	CASINO WELLHEAD PRESS.		TUBING WELLHEAD PRESS.		DURATION HOURS	LIQUID PROD. Bbls.
						psig	(P _w)(P _i)(P _c) psia	psig	(P _w)(P _i)(P _c) psia		
SHUT-IN						Pkr-249	877.4	863	877.4	30+ days	
FLOW	1/4	131		45		Pkr-249*	148.5	131	145.4	24	Trace

RATE OF FLOW CALCULATIONS

COEFFICIENT (F _p)(F _o) Mcfd	(METER) (PROVER) PRESSURE psia	EXTENSION √F _m h _w	GRAVITY FACTOR F _g	FLOWING TEMP. FACTOR F _t	DEVIATION FACTOR F _{pv}	RATE OF FLOW R Mcfd	GOR	G _m
1.115	145.4		1.222	1.015	1.017	205	0	0

(OPEN FLOW) (DELIVERABILITY) CALCULATIONS

(P_c)² = 769.8 ; (P_w)² = 22.048 ; P_d = 84.5 % (P_c - 14.4) + 14.4 = 877.4 ; (P_w)² = 0.207 ; (P_d)² = _____

(P _c) ² - (P _a) ² or (P _c) ² - (P _d) ²	(P _c) ² - (P _w) ²	$\frac{P_c^2 - P_a^2}{P_c^2 - P_w^2}$	LOG []	"n"	n x LOG []	ANTILOG	OPEN FLOW DELIVERABILITY EQUALS R x ANTILOG Mcfd
769.6	747.552	1.02950	.01262	.500-A	.00631	1.01464	208

OPEN FLOW 208 Mcfd @ 14.65 psia DELIVERABILITY Mcfd @ 14.65 psia

The undersigned authority, on behalf of the Company, states that he is duly authorized to make the above report and that he has knowledge of the facts stated therein, and that said report is true and correct.

Executed this the _____ day of _____ 19____.

RECEIVED
STATE CORPORATION COMMISSION

Witness (if any)

For Commission

JUN 30 1983

For Company

Checked by

HOSCO Operating, Inc.
P. O. Box 252
Liberal, Kansas 67901
316-624-5636 or
316-624-6258 - Unit 190

Producer TREX
Well Name Ediger 1-36
Location CE-SW-NE 36-33S-27W
State Kansas County Meade

Csg 4 1/2 Wt 10.5 Set @ 6248 TD 6248 PB 6000
Tbg 2 3/8 Wt 4.7 Set @ 5860 SN _____ Pkr _____
Perfs. 5890 to 5907, _____ to _____, _____ to _____, _____ to _____
Prover 2" Meter _____ Taps _____ Orifice _____ Pcr 669 Tcr 382
Gg. 670 API _____ @ _____ GM _____ Reservoir Chester
Assumed

Date Time of Reading	Elap Time Hours	Wellhead Pressure Data						Measurement Data				Liquids		Type	Initial	Special	Ending
		Csg Psig	Δ P Csg	Tbg Psig	Δ P Tbg	BHP Psig	Δ P BHP	Press. Psig	Diff.	Temp	Q mcf/D	Cond bbls	Water bbls	Test	Annual	Retest	Date
Tuesday 4-12-83																	
0930		Pkr-249		863													
0945		Well on multi-pt. test with 2" C. F. Prover and 3/32" plate. Well wide open, venting to pit.															
0950				859	-4			859		67	168						
0955				857	-2			857		67	167						
1000				856	-1			856		67	167						
1015	.5			851	-5			851		67	166						
1030				846	-5			846		68	165						
1045	1.0	Pkr-249		842	-4			842		68	165	0	0	2.4% drawdown.			
1045		Well on 2nd rate with 1/8" plate.															
1050				838	-4			838		68	305						
1055				835	-3			835		68	304						
1100				831	-4			831		68	303						
1115	1.5			825	-6			825		69	301						
1130				821	-4			821		69	299						
1145	2.0	Pkr-249		815	-6			815		70	297	0	0	5.6% drawdown.			
1145		Well on 3rd rate with 5/32" plate.															
1150				808	-7			808		70	447						
1155				803	-5			803		70	445						
1200				800	-3			800		70	443						
1215	2.5			792	-8			792		70	439						
1230				781	-11			781		70	433						
1245	3.0	Pkr-249		773	-8			773		70	428	0	0	10.4% drawdown.			

Date Time of Reading	Elap Time Hours	Wellhead Pressure Data						Measurement Data				Liquids		Type Test:	Initial Annual	Special Retest	Ending Date
		Csg Psig	Δ P Csg	Tbg Psig	Δ P Tbg	BHP Psig	Δ P BHP	Press. Psig	Diff.	Temp	Q mcf/D	Cond bbls	Water bbls	Remarks	Pertinent to Test	Data Quality	
Tuesday 4-12-83 (Contd.)																	
1245		Well on 4th rate with 3/16" plate.															
1250				749	-24			749		70	615						
1255				734	-15			739		70	603						
1300				717	-17			717		69	598						
1315	3.5			684	-33			684		70	563						
1330				658	-26			658		70	542						
1345	4.0	Pkr-249		623	-35			623		70	514	0	0	27.9% drawdown.			
1345		Well on 5th rate with 1/4" plate (in attempt to lift liquids).															
1350				574	-49			574		69	832						
1355				547	-27			547		67	794						
1400				533	-14			533		67	774						
1415	4.5			503	-30			503		67	732			Light mist of liquids out of prover.			
1430				456	-47			456		69	665			Mist out of prover getting heavier.			
1445	5.0	Pkr-249		421	-35			421		69	616	Trace	Trace	Heavy mist out of prover.			
1445		Terminate multi-pt. test.															
1445		Well on 1-pt. test with 1/4" plate.															
1500				368	-53			368		69	541			Heavy mist out of prover.			
1500		Left location.															
												RECEIVED STATE CORPORATION COMMISSION JUN 30 1983 CONSERVATION DIVISION Wichita, Kansas					
Wednesday 4-13-83																	
0845	23.0	Pkr-249		142	-226			142		45	220			Heavy mist out of prover. Mostly water w/trace			
0900				131	-11			131		45	205			Liquids slugging, well severely loaded. cond.			
0915	23.5			145	+14			145		45	224			Liquids slugging, well severely loaded.			

