DISTRIBUTION	5
SANTA FE	
FIELD	
G.S.	
ID OFFICE	

	OIL	
TRANSPORTER	GAS	
OPERATOR		
PRORATION OFFICE		

NEW MEXICO OIL CONSERVATION COMMISSION

REQUEST FOR ALLOWABLE
AND
AUTHORIZATION TO TRANSPORT OIL AND NATURAL GAS

I.

Operator

Yates Petroleum Corporation

RECEIVED

Address

207 South 4th Street – Artesia, NM 88210

OCT 27 1975

O. C. C.
ARTESIA, OFFICE

Reason(s) for filing *(Check proper box)*

New Well [X]

Recompletion [ ]

Change in Ownership [ ]

Change in Transporter of:

Oil [ ]   Dry Gas [ ]

Casinghead Gas [ ]   Condensate [ ]

Other *(Please explain)*

If change of ownership give name and address of previous owner _____

II. DESCRIPTION OF WELL AND LEASE

Lease Name	Well No.	Pool Name, Including Formation	Kind of Lease	Lease No.
Hnulik "EJ" Com	1	Kennedy-Farms Morrow	State, Federal or Fee Fee	

Location

Unit Letter __D__ : __1315__ Feet From The __North__ Line and __660__ Feet From The __West__

Line of Section __26__ Township __17S__ Range __26E__ , NMPM, __Eddy__ County

III. DESIGNATION OF TRANSPORTER OF OIL AND NATURAL GAS

Name of Authorized Transporter of Oil [ ] or Condensate [XX]	Address *(Give address to which approved copy of this form is to be sent)*
Navajo Crude Purchasing Company	No. Freeman Avenue–Artesia, NM 88210

Name of Authorized Transporter of Casinghead Gas [ ] or Dry Gas [XX]	Address *(Give address to which approved copy of this form is to be sent)*
Transwestern Pipe Line Company	P. O. Box 2512-Houston, TX 77001

If well produces oil or liquids, give location of tanks.	Unit	Sec.	Twp.	Rge.	Is gas actually connected?	When
	D	26	17S	26E		

If this production is commingled with that from any other lease or pool, give commingling order number: _____

IV. COMPLETION DATA

Designate Type of Completion — (X)	Oil Well	Gas Well	New Well	Workover	Deepen	Plug Back	Same Res'v.	Diff. Res'v.
		X	X					

Date Spudded	Date Compl. Ready to Prod.	Total Depth	P.B.T.D.
6-11-75	7-12-75	8850'	8700'

Elevations *(DF, RKB, RT, GR, etc.)*	Name of Producing Formation	Top Oil/Gas Pay	Tubing Depth
3315.7 GR	Morrow	8584'	8549'

Perforations	Depth Casing Shoe
8584-90'	8700'

TUBING, CASING, AND CEMENTING RECORD

HOLE SIZE	CASING & TUBING SIZE	DEPTH SET	SACKS CEMENT
17½"	13-3/8"	462'	300 sacks
12¼"	8-5/8"	1415'	700 sacks
7-7/8"	4½"	8700'	295 sacks
	2-3/8"	8549'	

V. TEST DATA AND REQUEST FOR ALLOWABLE

OIL WELL *(Test must be after recovery of total volume of load oil and must be equal to or exceed top allowable for this depth or be for full 24 hours)*

Date First New Oil Run To Tanks	Date of Test	Producing Method *(Flow, pump, gas lift, etc.)*	
Length of Test	Tubing Pressure	Casing Pressure	Choke Size
Actual Prod. During Test	Oil - Bbls.	Water - Bbls.	Gas - MCF

GAS WELL

Actual Prod. Test - MCF/D	Length of Test	Bbls. Condensate/MMCF	Gravity of Condensate
910	24	8.12	51.5
Testing Method *(pitot, back pr.)*	Tubing Pressure **(Shut-in)**	Casing Pressure **(Shut-in)**	Choke Size
Back Pressure	130#	Packer	1/2"

VI. CERTIFICATE OF COMPLIANCE

I hereby certify that the rules and regulations of the Oil Conservation Commission have been complied with and that the information given above is true and complete to the best of my knowledge and belief.

Eddie M. Mahfood
(Signature)

Eddie M. Mahfood – Engineer
(Title)

10-24-75
(Date)

OIL CONSERVATION COMMISSION

APPROVED NOV 13 1975 , 19____

BY _W. A. Gresseff_

TITLE __SUPERVISOR, DISTRICT II__

This form is to be filed in compliance with RULE 1104.

If this is a request for allowable for a newly drilled or deepened well, this form must be accompanied by a tabulation of the deviation tests taken on the well in accordance with RULE 111.

All sections of this form must be filled out completely for allowable on new and recompleted wells.

Fill out only Sections I, II, III, and VI for changes of owner, well name or number, or transporter, or other such change of condition.

Form C-122C -122
Revised v-1-65

copy of
21896

RECEIVED
DEC 12 1975
O.C.C.
Unit ARTESIA, OFFICE

Type Test				Test Date
[X] Initial	[ ] Annual		[ ] Special	12-8-75

Company	Connection
Yates Petroleum Corp.	Transwestern Pipeline Co.

Pool	Formation
Kennedy Farms	Morrow

Completion Date	Total Depth	Plug Back TD	Elevation	Farm or Lease Name
7-12-75	8850'	8656'	3316' GR	Hnulik "EJ" Com

Csg. Size	Wt.	d	Set At	Perforations: From	To	Well No.
4½"	11.6#	4.000	8700'	8584	8590'	1

Tbg. Size	Wt.	d	Set At	Perforations: From	To	Unit	Sec.	Twp.	Rge.
2-3/8"	4.6#	1.995	8549'			D	26	17S	26E

Type Well – Single – Bradenhead – G.G. or G.O. Multiple	Packer Set At	County
Single	8549	Eddy

Producing Thru	Reservoir Temp. °F	Mean Annual Temp. °F	Baro. Press. – P_a	State
Tubing	ø 138	62	13.2	New Mexico

L	H	Gg	% CO₂	% N₂	% H₂S	Prover	Meter Run	Taps
8587	0.625		0.72	0.35	–			Flanged

(Note: H column shows 8587, Gg column 0.625)

FLOW DATA / TUBING DATA / CASING DATA

NO.	Prover Line Size	X	Orifice Size	Press. p.s.i.g.	Diff. hw	Temp. °F	Press. p.s.i.g.	Temp. °F	Press. p.s.i.g.	Temp. °F	Duration of Flow
SI							2395				24hrs.
1.	2		1.000	470	4	48	2304	57			1 hr.
2.				470	12	64	2200	63			1 hr.
3.				470	28	77	2066	68			1 hr.
4.				470	55	84	1851	71			1 hr.
5.											

RATE OF FLOW CALCULATIONS

NO.	Coefficient (24 Hour)	$\sqrt{h_w P_m}$	Pressure P_m	Flow Temp. Factor F_t	Gravity Factor F_g	Super Compress. Factor, F_{pv}	Rate of Flow Q, Mcfd
1	4.946	43.964	483.2	1.012	1.265	1.0506	292
2.	4.946	76.147	483.2	.9962	1.265	1.0454	496
3.	4.946	116.317	483.2	.9840	1.265	1.0409	745
4.	4.946	163.021	483.2	.9777	1.265	1.0362	1036
5.							

NO.	P_t	Temp. °R	T_r	z	
1.	0.72	508	1.39	.906	Gas Liquid Hydrocarbon Ratio _____ 112 _____ Mcf/bbl.
2.	0.72	524	1.43	.915	A.P.I. Gravity of Liquid Hydrocarbons _____ 51.5 _____ Deg.
3.	0.72	537	1.47	.923	Specific Gravity Separator Gas _____ 0.625 _____ X X X X X X X X X
4.	0.72	544	1.49	.926	Specific Gravity Flowing Fluid _____ X X X X X
5.					Critical Pressure _____ 675 _____ P.S.I.A. _____ P.S.I.A.
					Critical Temperature _____ 366 _____ R _____ R

P_c	3083.2	P_c^2	9506			
NO	P_t^2	P_w	P_w^2	$P_c^2 - P_w^2$		
1		2949.2	8698	808	(1) $\dfrac{P_c^2}{P_c^2 - P_w^2}$ = 3.974	(2) $\left[\dfrac{P_c^2}{P_c^2 - P_w^2}\right]^n$ = 3.271
2		2834.2	8033	1473		
3		2667.2	7114	2392	AOF = Q $\left[\dfrac{P_c^2}{P_c^2 - P_w^2}\right]^n$ = 2437	
4		2392.2	5723	3783		
5						

Absolute Open Flow _____ 2437 _____ Mcfd @ 15.025   Angle of Slope Θ _____   Slope, n _____ 0.859

Remarks: BHP by Bennett Wireline Co.   Test Witnessed by Transwestern PL Co.

Approved By Commission:	Conducted By:	Calculated By:	Checked By:
	Don Weaver	Eddie Mahfood	