



United States Department of the Interior

GEOLOGICAL SURVEY
South Central Region
P. O. Box 26124
Albuquerque, New Mexico 87125
20 JAN 1981

366

Bass Enterprises Production Company
Attention: Mr. Jens Hansen
Fort Worth National Bank Building
Fort Worth, Texas 76102

Gentlemen:

On this date, your 1981 plan of development and operation for the Poker Lake unit area, Eddy County, New Mexico, wherein you propose to drill Poker Lake No. 51 to test the Delaware and to drill wells Nos. 52 and 53 to test the Morrow formation, was approved. Such approval is subject to like approval by the appropriate State officials. One approved copy is enclosed.

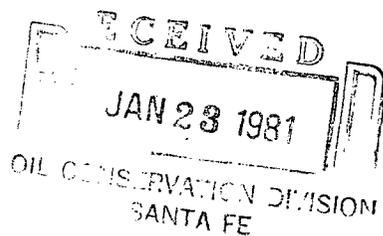
Sincerely yours,

(ORIG. SGD.) GENE F. DANIEL

Gene F. Daniel
Deputy Conservation Manager
Oil and Gas

Enclosure

cc:
NMOCD, Santa Fe (ltr only)



State of New Mexico

360



Commissioner of Public Lands

ALEX J. ARMIJO
COMMISSIONER

January 22, 1981

P. O. BOX 1148
SANTA FE, NEW MEXICO 87501

Bass Enterprises Production Company
Fort Worth National Bank Building
Fort Worth, Texas 76102

Re: 1981 Plan of Development
Poker Lake Unit
Eddy County, New Mexico

ATTENTION: Mr. Jens Hansen

Gentlemen:

The Commissioner of Public Lands has this date approved your 1981 Plan of Development for the Poker Lake Unit, Eddy County, New Mexico. Such plan proposes the drilling of Wells No. 51 (Delaware Test) and No. 52 and 53 both Morrow tests. Our approval is subject to like approval by the USGS and the NMOCD.

Enclosed is one approved copy for your files.

The Three (\$3.00) Dollar filing fee has been received.

Please be advised that your timely attention to our request for additional information in regard to this plan of development has greatly facilitated our review of same. Your cooperation in this matter is appreciated.

Very truly yours,

ALEX J. ARMIJO
COMMISSIONER OF PUBLIC LANDS

BY:
FLOYD O. PRANDO, Assistant Director
Oil and Gas Division
AC 505-827-2748

AJA/FOP/s
encls.
cc:

OCD-Santa Fe, New Mexico
USGS-Roswell, New Mexico
USGS-Albuquerque, New Mexico

OIL CONSERVATION DIVISION

P. O. BOX 2088

SANTA FE, NEW MEXICO 87501

February 17, 1981

Bass Enterprises Production Co.
Fort Worth National Bank Building
Fort Worth, Texas 76102

Attention: Jens Hansen

Re: Case No. 366
Poker Lake Unit
1981 Plan of Development

Gentlemen:

We hereby approve the 1981 Plan of Development for the Poker Lake Unit, Eddy County, New Mexico, subject to like approval by the United States Geological Survey and the Commissioner of Public Lands.

Five approved copies of the Plan of Development are returned herewith.

Yours very truly,

JOE D. RAMEY
Director

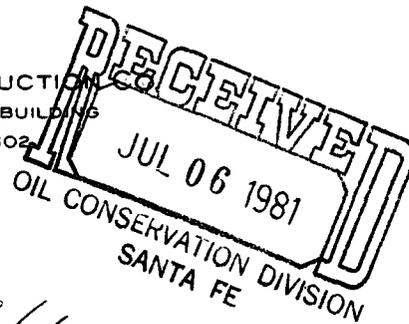
JDR/EP/fd
enc.

cc: U.S.G.S. - Albuquerque
Commissioner of Public Lands

C
O
P
Y

BASS ENTERPRISES PRODUCTION CO.
FORT WORTH NATIONAL BANK BUILDING
FORT WORTH, TEXAS 76102

June 26, 1981



366

OK
8/25/81
EJP

UNITED STATES GEOLOGICAL SURVEY
P. O. Box 26124
Albuquerque, New Mexico 87125

COMMISSIONER OF PUBLIC LANDS
P. O. Box 1148
Santa Fe, New Mexico 87501

OIL CONSERVATION DIVISION
P. O. Box 2088
Santa Fe, New Mexico 87501

Re: First Amendment to the
1981 Plan of Development
for the Poker Lake Unit
Eddy County, New Mexico

Gentlemen:

In accordance with the terms and provisions of Section 10 of the Poker Lake Unit Agreement dated March 18, 1952, which specifically provides that the Plan of Development may be modified when necessary to meet changing conditions, we propose the following change to the 1981 Plan of Development for your review and approval.

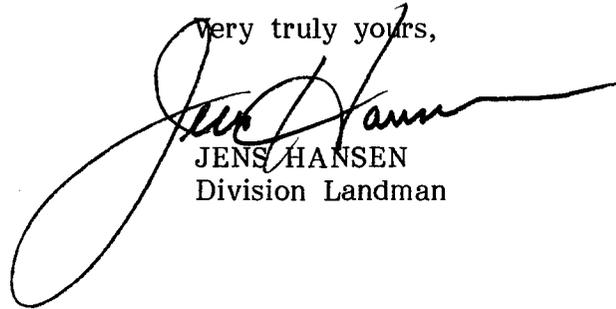
Poker Lake Unit Well #52 - The approved 1981 Plan of Development dated December 30, 1980, provides for the drilling of a 15,250' Morrow Test to be located in Section 10, T24S-R30E, Eddy County, New Mexico. Due to additional geological information received from drilling of the Poker Lake Wells #49 and #50, we request that the location of this well be changed from the above described location to a location of Section 35, T24S-R30E, with a new projected depth of 15,400' which will test the Morrow Formation. In addition, the rig availability problems experienced during this year prevent the actual drilling of this well until the first quarter of 1982. The Superior Oil Company will operate the drilling and completion of this well with all subsequent operations to be conducted in accordance with the terms of the Unit Agreement.

UNITED STATES GEOLOGICAL SURVEY
COMMISSIONER OF PUBLIC LANDS
OIL CONSERVATION DIVISION
June 25, 1981

Page 2

If this proposed amendment to the 1981 Plan of Development meets with your approval, please so indicate by signing in the appropriate space provided below and return one (1) copy of this letter to us for our records.

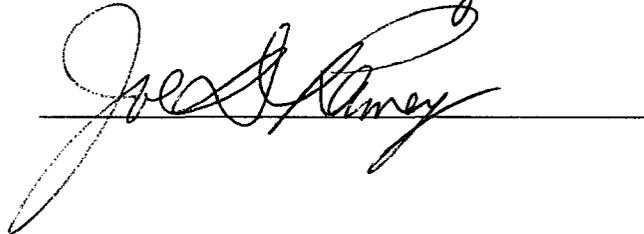
Very truly yours,



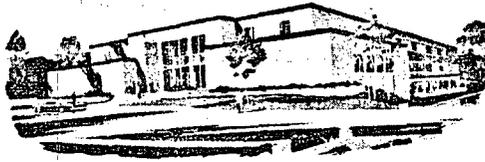
JENS HANSEN
Division Landman

JH:ep

AGREED TO AND ACCEPTED this the 26 day of August, 1981.



State of New Mexico



Commissioner of Public Lands

July 7, 1981

P. O. BOX 1148
SANTA FE, NEW MEXICO 87501

ALEX J. ARMIJO
COMMISSIONER

366

Bass Enterprises Production Co.
Fort Worth National Bank Building
Fort Worth, Texas 76102

Re: First Amendment to the
1981 Plan of Development
for the Poker Lake Unit
Eddy County, New Mexico

ATTENTION: Mr. Jens Hansen

Gentlemen:

The Commissioner of Public Lands has this date approved the First Amendment to the 1981 Plan of Development for the Poker Lake Unit, Eddy County, New Mexico. Such amendment changes the location of the well # 52 from Section 10 to Section 35 of Township 24 South, Range 30 East. Our approval is subject to like approval by the United States Geological Survey and the New Mexico Oil Conservation Commission.

Enclosed is one approved copy for your files.

Please remit a Three (\$3.00) Dollar filing fee.

Very truly yours,

ALEX J. ARMIJO
COMMISSIONER OF PUBLIC LANDS

BY:
RAY D. GRAHAM, Director
Oil and Gas Division
AC 505-827-2748

AJA/RDG/s
encls.
cc:

OCD-Santa Fe, New Mexico
USGS-Roswell, New Mexico
USGS-Albuquerque, New Mexico

BASS ENTERPRISES PRODUCTION CO.
FORT WORTH NATIONAL BANK BUILDING
FORT WORTH, TEXAS 76102

OK
8/25/81
[Signature]

August 7, 1981

UNITED STATES GEOLOGICAL SURVEY
P. O. Box 26124
Albuquerque, New Mexico 87125

COMMISSIONER OF PUBLIC LANDS
P. O. Box 1148
Santa Fe, New Mexico 87501

OIL CONSERVATION DIVISION
P. O. Box 2088
Santa Fe, New Mexico 87501

366

RECEIVED
AUG 10 1981
OIL CONSERVATION DIVISION
SANTA FE

Re: Second Amendment to the
1981 Plan of Development
for the Poker Lake Unit,
Eddy County, New Mexico

Gentlemen:

In accordance with the terms and provisions of Section 10 of the Poker Lake Unit Agreement dated March 18, 1952, which specifically provides that the Plan of Development may be modified when necessary to meet changing conditions, we propose the following change to the 1981 Plan of Development for your review and approval.

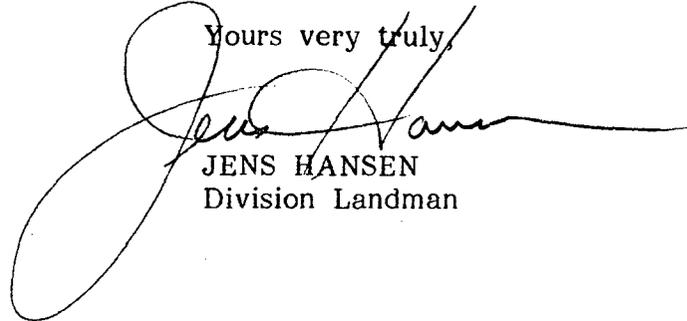
Poker Lake Unit Well # 53 - The approved 1981 Plan of Development dated December 30, 1980, provides for the drilling of a 16,000' Morrow Test to be located in Section 20, T25S-R31E, Eddy County, New Mexico. After evaluating the geological data obtained from the drilling of the Poker Lake Well #50, we believe that a location in Section 9, T25S-R30E will evaluate the Morrow, Atoka, and Wolf-camp Formations as were found in the Poker Lake #50 Well and will also evaluate the Delaware Formation which we anticipate to be productive at this location. We do not see this possibility for the Delaware Formation in Section 20. Therefore, we respectfully request that the location of the Poker Lake Unit Well #53 be changed from the above described location to a location of 660' from the North line and 1980' from the East line of Section 9, T25S-R30E, Eddy County, New Mexico and that such well be drilled to a depth of 15,500' which will test the Morrow Formation.

UNITED STATES GEOLOGICAL SURVEY
COMMISSIONER OF PUBLIC LANDS
OIL CONSERVATION DIVISION
August 7, 1981

Page 2

If this proposed amendment to the 1981 Plan of Development meets with your approval, please so indicate by signing in the appropriate space provided below and return one (1) copy of this letter to us for our records.

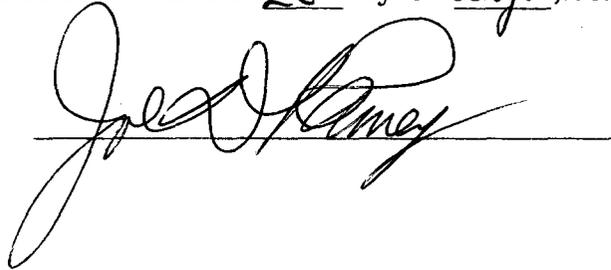
Yours very truly,



JENS HANSEN
Division Landman

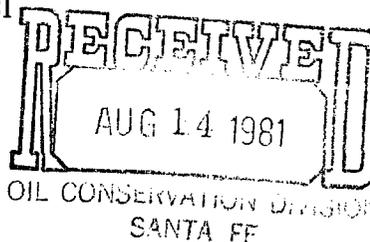
JH/bb

AGREED TO AND ACCEPTED this the 26 day of Aug., 1981



BASS ENTERPRISES PRODUCTION CO.
FORT WORTH NATIONAL BANK BUILDING
FORT WORTH, TEXAS 76102

August 10, 1981



366

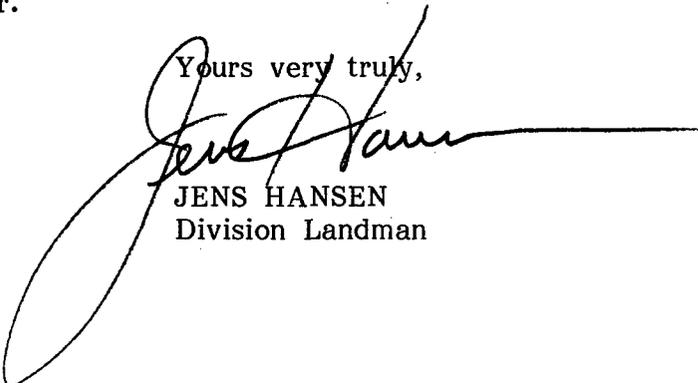
OIL CONSERVATION DIVISION
P. O. Box 2088
Santa Fe, New Mexico 87501

Re: Second Amendment to the
1981 Plan of Development
for the poker Lake Unit,
Eddy County, New Mexico

Gentlemen:

Under date of August 7, 1981 we proposed an Amendment to the 1981 Plan of Development for the Poker Lake Unit. In the proposed Amendment a revised well location was proposed which is described incorrectly as Section 9, T25S-R30E. The correct location should read Section 9, T25S-R31E, Eddy County, New Mexico. It would be appreciated if you would incorporate this change in the said August 7 letter.

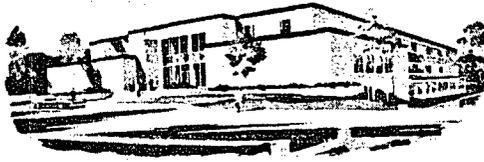
Yours very truly,


JENS HANSEN
Division Landman

JH/bb

State of New Mexico

366



Commissioner of Public Lands

August 12, 1981

P. O. BOX 1148
SANTA FE, NEW MEXICO 87501

ALEX J. ARMIJO
COMMISSIONER

Bass Enterprises Production Co.
Ft. Worth Nat'l Bank Building
Fort Worth, Texas 76102

Re: Poker Lake Unit
Second Amendment to the
1981 Plan of Development

ATTENTION: Mr. Jens Hansen

Gentlemen:

Your Second Amendment to the 1981 Plan of Development dated August 7, 1981, has this date been approved by the Commissioner of Public Lands. Such plan proposes the changing from a 16,000' Morrow Test Well in Section 20 Township 25 South, Range 31 East, to be drilled in a new location 660' from the North line and 1980' from the East line of Section 9, Township 25 South, Range 30 East. Such well will be drilled to a depth of 15,000' which will test the Morrow Formation. Our approval is subject to like approval by the Oil Conservation Division and the United States Geological Survey.

Enclosed is one approved copy for your files. In the future please file three copies with this office of your Plan of Development, also, please remit a Three (\$3.00) Dollar filing fee at your earliest convenience.

Very truly Yours,

ALEX J. ARMIJO
COMMISSIONER OF PUBLIC LANDS

BY:
RAY D. GRAHAM, Director
Oil and Gas Division
AC 505/827-2748

AJA/RDG/pm

encl.

cc: OCD-Santa Fe, New Mexico
USGS-Albuquerque, New Mexico



STATE OF NEW MEXICO
ENERGY AND MINERALS DEPARTMENT
OIL CONSERVATION DIVISION

BRUCE KING
GOVERNOR
LARRY KEHOE
SECRETARY

August 26, 1981

POST OFFICE BOX 2088
STATE LAND OFFICE BUILDING
SANTA FE, NEW MEXICO 87501
(505) 827-2434

Bass Enterprises Production Co.
Fort Worth National Bank Building
Fort Worth, Texas 76102

Attention: Jens Hansen

Re: Case No. 366
Poker Lake Unit
First Amendment to
1981 Plan of Development

Gentlemen:

We hereby approve the First Amendment to the 1981 Plan of Development for the Poker Lake Unit, Eddy County, New Mexico, subject to like approval by the United States Geological Survey and the Commissioner of Public Lands.

One approved copy of the First Amendment is returned herewith.

Yours very truly,

JOE D. RAMEY
Director

JDR/EP/fd
enc.

cc: U.S.G.S. - Albuquerque
Commissioner of Public Lands



STATE OF NEW MEXICO
ENERGY AND MINERALS DEPARTMENT
OIL CONSERVATION DIVISION

BRUCE KING
GOVERNOR
LARRY KEHOE
SECRETARY

August 26, 1981

POST OFFICE BOX 2088
STATE LAND OFFICE BUILDING
SANTA FE, NEW MEXICO 87501
(505) 827-2434

Bass Enterprises Production Co.
Fort Worth National Bank Building
Fort Worth, Texas 76102

Attention: Jens Hansen

Re: Case No. 366
Poker Lake Unit
Second Amendment to
1981 Plan of Development

Gentlemen:

We hereby approve the Second Amendment to the 1981 Plan of Development for the Poker Lake Unit, Eddy County, New Mexico, subject to like approval by the United States Geological Survey and the Commissioner of Public Lands.

One approved copy of the Second Amendment is returned herewith.

Yours very truly,

JOE D. RAMEY
Director

JDR/EP/fd
enc.

cc: U.S.G.S. - Albuquerque
Commissioner of Public Lands

South Central Region
P. O. Box 26124
Albuquerque, New Mexico 87125

366

SEP 2 1981

Bass Enterprises Production Co.
Attention: Jens Hansen
Fort Worth National Bank Bldg.
Fort Worth, Texas 76102

Gentlemen:

An approved copy of your second amendment to the 1981 plan of development for the Poker Lake unit area, Eddy County, New Mexico is enclosed. Such plan, proposing to change the location of well #53 from sec. 20, T. 25 S., R. 31 E., to sec. 9, T. 25 S., R. 31 E., to test the borrow formation, was approved on this date subject to like approval by the appropriate officials of the State of New Mexico.

Sincerely yours,

(ORIG. SGD.) JAMES W. SHELTON

FOR Gene F. Daniel
Deputy Conservation Manager
Oil and Gas

Enclosure

cc:
Comm of Pub Lands
NMOCD
DS, Roswell (w/encl)



BASS ENTERPRISES PRODUCTION CO.
FORT WORTH NATIONAL BANK BUILDING
FORT WORTH, TEXAS 76102

December 10, 1981

UNITED STATES GEOLOGICAL SURVEY
P. O. Box 26124
Albuquerque, New Mexico 87125

NEW MEXICO OIL CONSERVATION DIVISION
P. O. Box 2088
Santa Fe, New Mexico 87501

COMMISSIONER OF PUBLIC LANDS
P. O. Box 1148
Santa Fe, New Mexico 87501

366

Re: Application for Approval of
Initial Participating Area for the
Wolfcamp Formation
Poker Lake Unit Area
Eddy County, New Mexico

Gentlemen:

Bass Enterprises Production Co., as unit operator for the Poker Lake Unit Agreement, pursuant to the provisions of Section 11, respectfully submits for your approval the selection of the following described lands to constitute the Initial Participating Area for the Wolfcamp producing zone or formation, to wit:

Lots 1, 2, 3 and 4 and the S/2 N/2, Section 4, T25S-R31E, Eddy County, New Mexico, and containing 319.82 acres of land.

In support of this application, the following numbered items are attached hereto and made a part hereof:

- (1) An ownership map showing thereon the boundaries of the unit area and the proposed Initial Participating Area.
- (2) A schedule showing the lands entitled to participation in the unitized substances produced from the Wolfcamp Formation, with the percentage of participation of each lease or tract indicated thereon.

Applicant is submitting separately in triplicate a geological and engineering report with accompanying geologic maps supporting and justifying the proposed selection of the Participating Area.

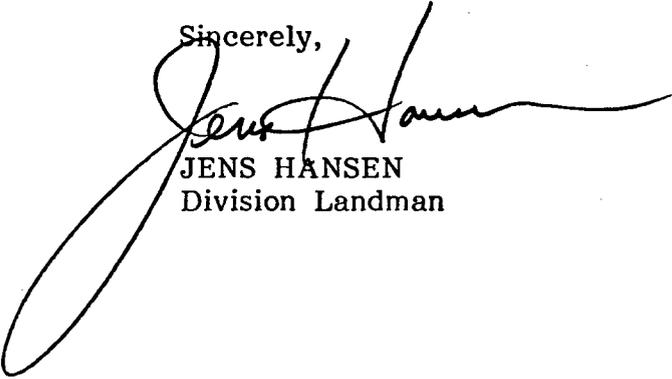
This proposed Initial Participating Area is predicated upon the knowledge and information first obtained upon the completion in paying quantities under the terms of the Unit Agreement on May 16, 1981, of Unit Well No. 50, in the NW/4 NE/4,

UNITED STATES GEOLOGICAL SURVEY
NEW MEXICO OIL CONSERVATION DIVISION
COMMISSIONER OF PUBLIC LANDS
December 10, 1981
Page 2 of 2

Section 4, T25S-R31E, with an initial production of gas and gas condensate from the Wolfcamp Formation at a depth of 12,956 to 12,963 feet. The effective date of this initial area shall be June 1, 1981, pursuant to Section 11 of the Unit Agreement.

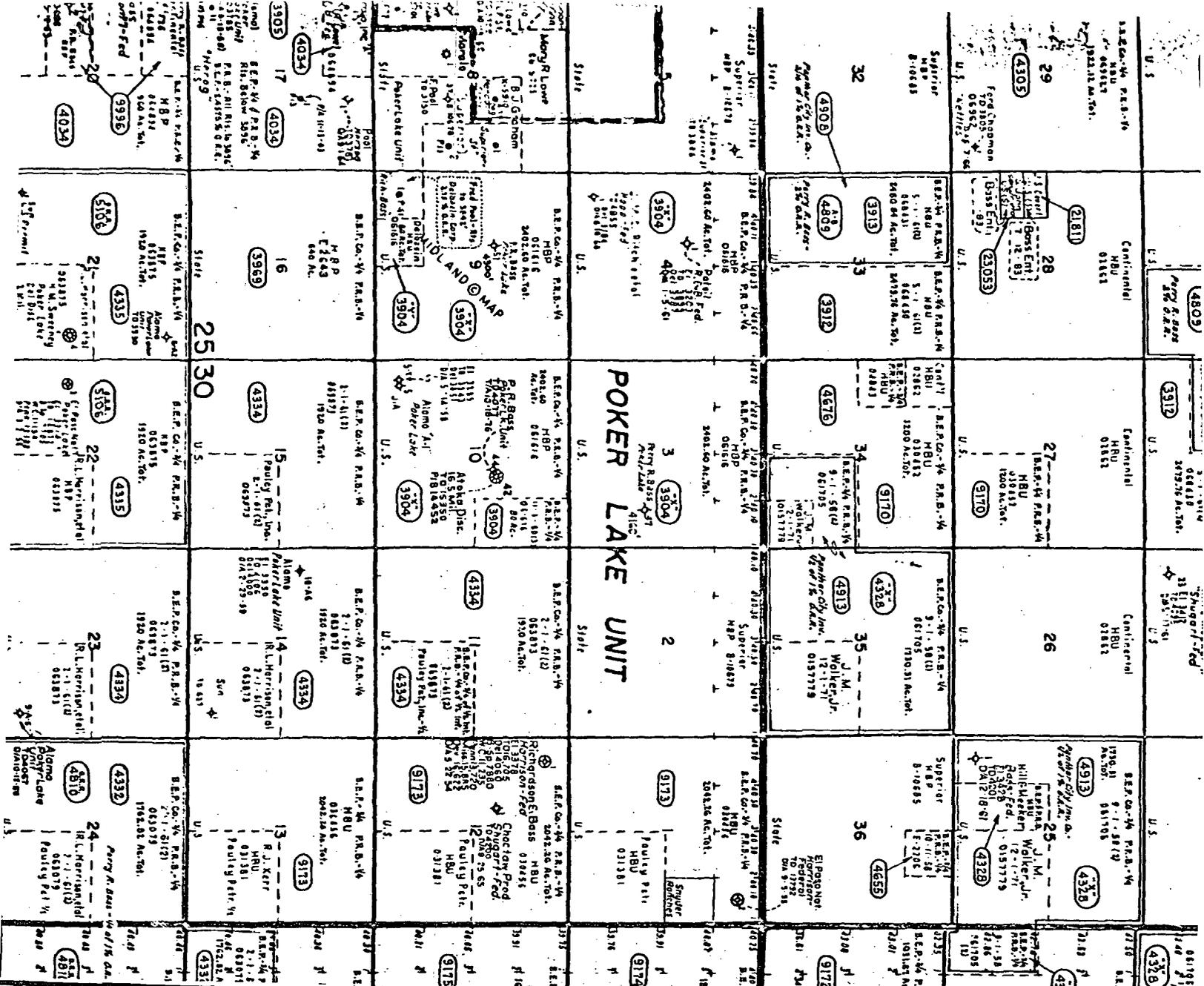
Consequently, applicant respectfully requests your approval of the hereinabove selection of lands to constitute the Initial Wolfcamp Participating Area, to be effective June 1, 1981.

Sincerely,



JENS HANSEN
Division Landman

JH:ep



BASS ENTERPRISES PRODUCTION COMPANY

WEST TEXAS DIVISION

EXHIBIT "A"
 INITIAL WOLFCAMP FORMATION
 PARTICIPATING AREA
 POKER LAKE UNIT AGREEMENT
 EDDY COUNTY, NEW MEXICO

Date: _____ Inter By: _____

Scale 1" = 4000'

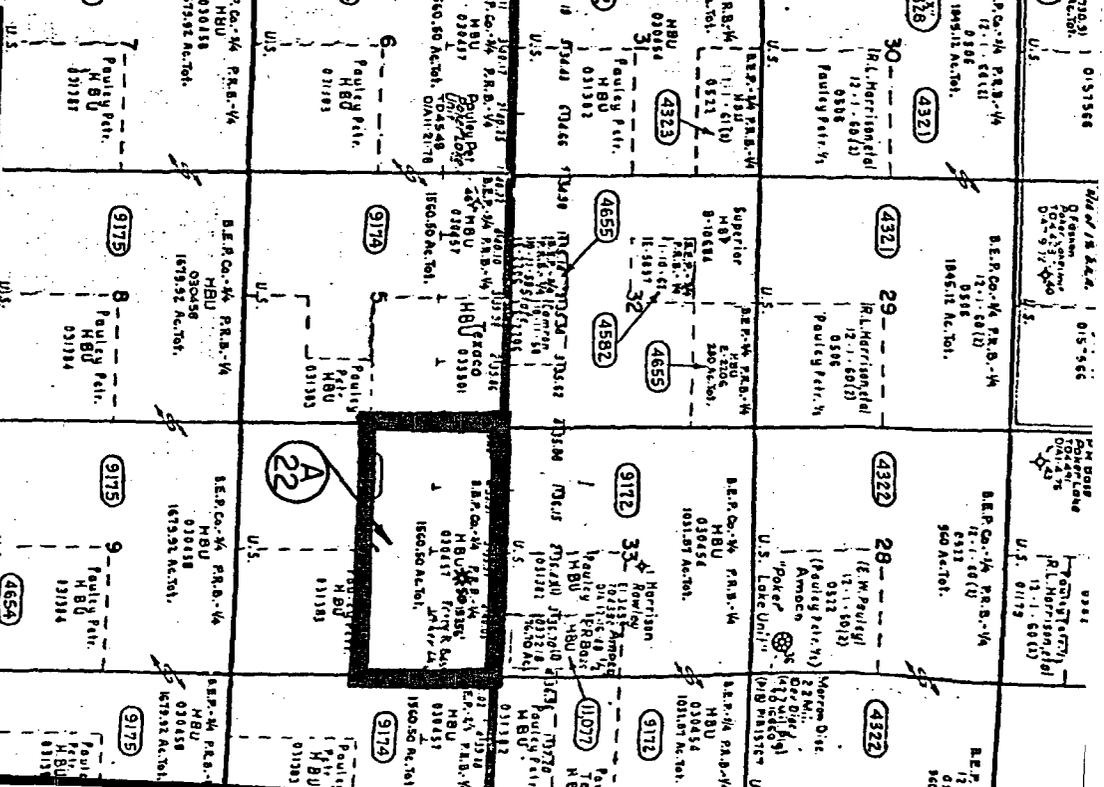


EXHIBIT "B"
 INITIAL WOLFCAMP FORMATION
 PARTICIPATING AREA
 POKER LAKE UNIT
 EDDY COUNTY, NEW MEXICO

Tract No.	Lease No. Type of Land	Description	Participating Acres	Percentage of Participation	Working Interest Owners
22-A	NM-030457	T25S-R31E Sec. 4: Lots, 1, 2, 3, 4 S/2 N/2	319.82	73.21	Bass Enterprises Production Co. & Perry R. Bass
			319.82	100.00	Amoco Production Co. Tenneco Oil Co.
		Total Federal Lands	319.82	100.00	
		Total State Lands	0.00	0.00	
		Total Patented Lands	0.00	0.00	
			319.82	100.00	

POKER LAKE UNIT NO. 50

Poker Lake Unit No. 50 was initially completed in the Morrow formation and had a CAOF of 644 MCF/GPD. With the Morrow being non-commercial, the Atoka was tested at 992 MCF/GPD but was never completed due to the low flow rate. Finally, after 7500 gallons 7-1/2% MSR acid, the Wolfcamp was completed, and because of downhole mechanical problems and abnormally high pressures was placed on line immediately. Current cumulative production through August 31, 1981, is 561.2 MMCFG and 7637 BC. The August rate was 134,415 MCFG and 1785 BC. The well is a commercial producer.

WORKSHEET FOR COMMERCIAL DETERMINATION AND PARTICIPATING AREA IN FEDERAL UNITS

WELL DATA

WELL POKER LAKE 50 FORMATION WOLFCAMP

LOCATION B UNIT, 660 FEET FROM N LINE & 1980 FEET FROM E LINE,
SECTION 4, RANGE 31E, TOWNSHIP 25S, COUNTY EDDY NEW MEXICO.

SPUD DATE 8-6-80 COMPLETION DATE 5-16-81 INIT. PROD. DATE 5-18-81

PERFORATIONS 1 9/16" select fire @ 12,950 1/2', 12,956, 12,963', 12,968',
12,975', 12,978', 12,982', 12,988', 12,992 1/2', 1 JSPF

STIMULATION:

ACID with 7,500 gallons 7 1/2 MSR-100

FRACTURE

POTENTIAL 6,006 MCFPD *Not CAOF, but accepted by State of New Mexico in
satisfaction of AOF requirements.

(ATTACH COPY OF C-122. ATTACH COPY OF WELLBORE SKETCH OF COMPLETED WELL.)

VOLUMETRIC CALCULATION

	FORMATION	
	SANDS PERFORATED	SANDS NOT PERFORATED BUT POTENTIALLY PRODUCTIVE
Area (A) proration unit size, acres	320	
Porosity (ϕ), %	9	
Water saturation (S_w), %	27	
Net thickness (h) > 6% ϕ & 40% S_w , ft	42	
Temperature (T), °F	170	

Bottomhole pressure (P), psia 10,300
 Recovery factor (RF), (80% assumed) .8
 Recoverable gas, MCF (See eq. below) 12,308,425

Recoverable Gas, MCF = $(43,560)(\emptyset)(1-S_w)(A)(h)(RF)(B_{gi})$ where

$$B_{gi} = 0.03535 \frac{P}{zT} \left(\frac{MSCF}{Cu Ft} \right) = 0.03535 \frac{(10300)}{(1.475)(62)} = .40$$

PERFORMANCE DATA

If sufficient history exists, attach plot of gas production rate vs time.

(Cumulative production to 8 / 31 / 81; 561,205 MCF.)

Current rate (q_i), 134,415 MCF/mo

Economic limit (q_l), 3000 MCF/mo

Decline rate, dy _____ %

Remaining gas (Q) = _____ MCF

Ultimate Recoverable Gas _____ MCF

$$Q = \frac{(q_i - q_l) 12 \text{ mo/yr}}{-\ln(1-dy)}$$

Attach plat showing proration unit and participating area.

<u>RECOVERABLE GAS</u>	<u>GAS (MCF)</u>	<u>COND. (BBLS)</u>
Gas sand previously produced	0	0
Sand perforated	7,800,000* (1)	93,600
Sand not perforated, but potentially productive	0 (2)	0
Total recoverable gas		

(1) performance recoverable gas if available

(2) $\frac{\text{performance sand perforated}}{\text{volumetric sand perforated}} \times \text{volumetric sands not perforated} = \text{performance sands not perforated}$

Participating area size based on ratio of production history and volumetrics

320 acres---minimum area is proration unit.

*Attached BHP/z

ECONOMIC

*Well Cost \$ 2,766,939 (to the depth of formation completed)

Recompletion Cost \$ 0

TOTAL COST \$ 2,766,939

(Gas Price)(Net Revenue Interest)(1-Production and Ad Valorem Taxes) + {(Oil Price)
(Net Revenue Interest)(Cond. Yield, Bbls/MCF)(1-Production and Ad Valorem Taxes) -
(Oil Price - Base Excise Tax) WFPT Frac}

Net Gas Price = Gas Price (.845)(1-0.1) + (16 + (33-16).7)(0.845)(1-.1)(Cond. Yield,
Bbls/MCF)

\$2.19/MCF

**Operating Cost \$2000/Month

Bepco Net Income = (Gross Gas) (Net Gas Price)

YEAR	GROSS GAS	BEPCO NET INCOME	OPERATING COST	DISCOUNT FACTOR	20% DISCOUNT FACTOR	DISCOUNTED CASH FLOW
zero	---	---	---	0	1.0000	-2,766,939
1981 Through August 31	561,205	1,229,038	8,000	1	0.9129	1,114,686
198					0.7607	
198					0.6339	
198					0.5283	
198					0.4402	
Remainder					0.3669	

If payout is five years or less, well is considered economical.

(Bepco Net Income - Operating Expense) discount factor = discounted cash flow.

ECONOMICAL

* Includes 11% of drilling cost as overhead.

** Includes \$500/month as overhead.

NEW MEXICO OIL PRODUCTION COMMISSION
 MULTIPPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Form C-122
 Revised 9-1-

Type Test <input checked="" type="checkbox"/> Initial <input type="checkbox"/> Annual <input type="checkbox"/> Special				Test Date May 17, 1981			
Company PERRY R. BASS				Connection NATURAL GAS PIPELINE CO. OF AM.			
Pool WILDCAT				Formation WOLF CAMP			
Completion Date May 16, 1981		Total Depth 15,345'		Plug Hole 1 14,780'		Elevation 3437' GL	
Casing Size 5" WI. 18		Set At 15,345'		Perforations: From 12,950 1/2' To 12,992'		Well No. 50	
Tubing Size 2 3/8" WI. 4.7		Set At 12,830		Perforations: From - To -		Unit Sec. Twp. R1/4. B 4 25S 31E	
Type Well - Single - Packerhead - G.C. or C.O. Multiple SINGLE				Packer Set At 12,270'		County Eddy	
Producing thru TUBING		Reservoir Temp. °F 8		Mean Annual Temp. °F		Baro. Press. - P _a	
State NEW MEXICO		L		H		Cg	
% CO ₂		% N ₂		% H ₂ S		Provor	
Motor Run		Tape					

FLOW DATA						TUBING DATA		CASING DATA		Duration of Flow
NO.	Provor Line Size	X	Orifice Size	Press. p.s.i.g.	Diff. h _w	Temp. °F	Press. p.s.i.g.	Temp. °F	Press. p.s.i.g.	
51										
1.				* FLOWING TUBING PRESSURE 5100 PSI *						
2.				* FLOWING CASING PRESSURE 2000 PSI - PACKER *						
3.				1* SHUT IN TUBING PRESSURE 8200 PSI *						
4.										
5.										

RATE OF FLOW CALCULATIONS							
NO.	Coefficient (24 Hour)	$\sqrt{h_w P_m}$	Pressure P _m	Flow Temp. Factor Ft.	Gravity Factor Fg	Super Compress. Factor, Fpv	Rate of Flow Q, Mcfd
1							
2							
3							
4							
5							

NO.	P ₁	Temp. °R	T ₁	Z	Gas Liquid Hydrocarbon Ratio	Mcl/bbl.
1					A.P.I. Gravity of Liquid Hydrocarbons	UNK
2					Specific Gravity Separator Gas	XXXXXXXXXX
3					Specific Gravity Flowing Fluid	XXXXXX
4					Critical Pressure	P.S.I.A. P.S.I.A.
5					Critical Temperature	R R

NO.	P ₁ ²	P _w	P _w ²	P _c ² - P _w ²
1				
2				
3				
4				
5				

(1) $\frac{P_c^2}{P_c^2 - P_w^2} =$ _____

(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n =$ _____

AOF = O $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n =$ _____

Absolute Open Flow _____ Mcfd @ 15.025

Angle of Slope @ _____ Slope, in _____

Remarks: ONE DAY FLOWING POTENTIAL 6006 MCF + 77 BC + 0 BW IN 24 HRS.
 * SUBMITTED IN LIEU OF 4 POINT * 4 POINT WILL BE RUN AS PRESSURES PER MIT RE: GRESSETT/ARTESIA/NMOCD

Approved By Commission:	Conducted By: M Cunningham	Calculated By:	Checked By:
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BASS ENTERPRISES PRODUCTION CO.
WEST TEXAS DIVISION

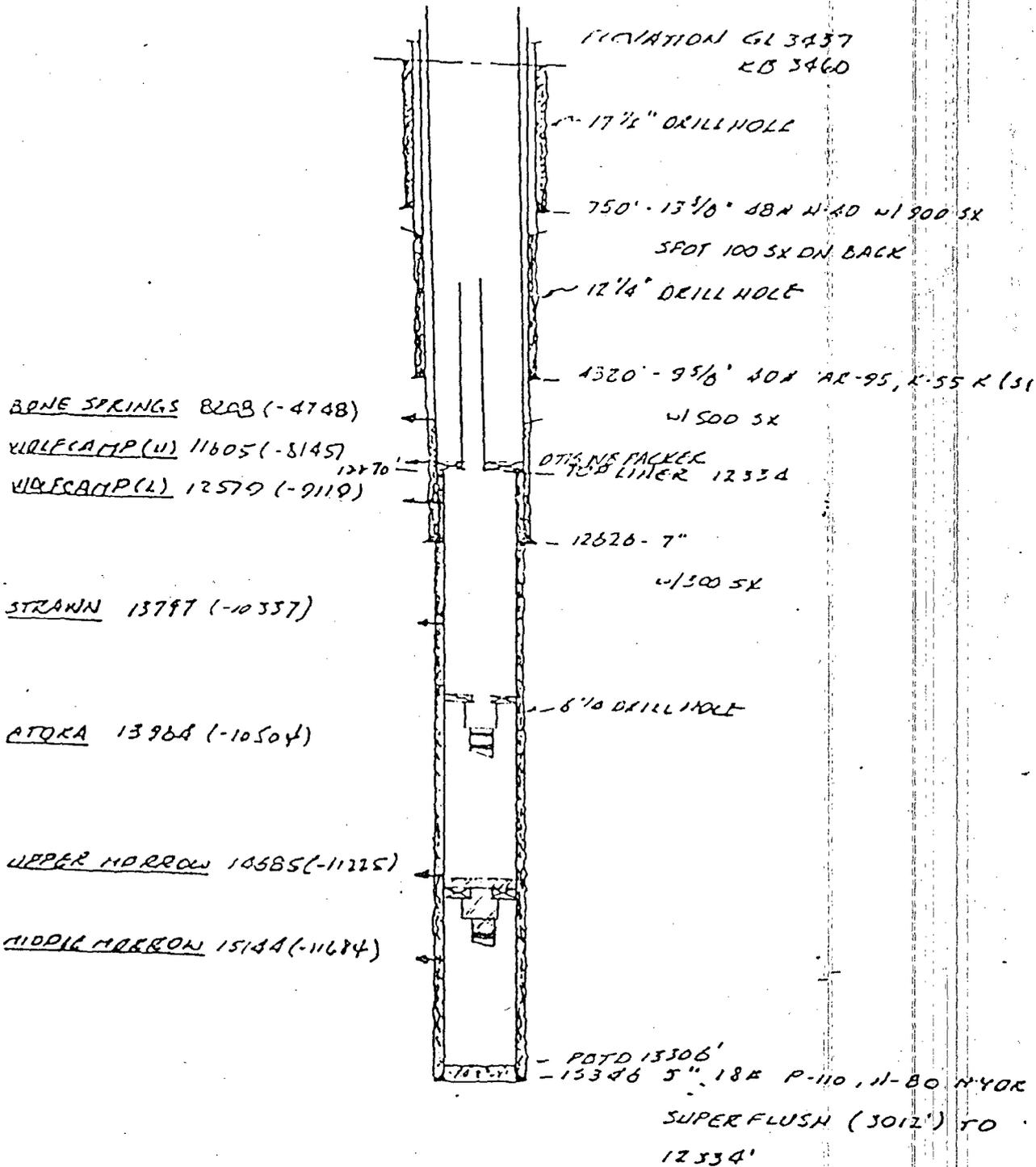
POKER LAKE UNIT NO. 50

BIG SINKS (HOREGOW)

LOCATION: 660 FNL-1980 FCL SECTION 4, T.25-S, R.32-E

EDDY COUNTY

NEW MEXICO



FIELD: Wildcat Walfcamp COUNTY: _____

OPERATOR: _____

LEASE: Poker Lake Unit NM BTY. NO. _____

WELLS: # 50

	Number Producing Wells	Oil Produced Bbls.	Cumulative Oil Rbls.	Gas Produced MCF	Cumulative Gas MCF	Water Produced Bbls.
1981						
Jan.	-					
Feb.	-					
March	-					
April	-					
May	1	992		82,293		36
June		2494		174,059		261
July		2366		170,438		256
August		1785		134,415		202
Sept.		7637		561,205		755
Oct.						
Nov.						
Dec.						
Yearly Total						

Jan.						
Feb.						
March						
April						
May						
June						
July						
August						
Sept.						
Oct.						
Nov.						
Dec.						
Yearly Total						

Jan.						
Feb.						
March						
April						
May						
June						
July						
August						
Sept.						
Oct.						
Nov.						
Dec.						
Yearly Total						

NEW MEXICO OIL CONSERVATION COMMISSION
WELL LOCATION AND ACREAGE DEDICATION PLAT

Form C-102
 Supersedes C-1
 Effective 1-1-61

All distances must be from the outer boundaries of the Section.

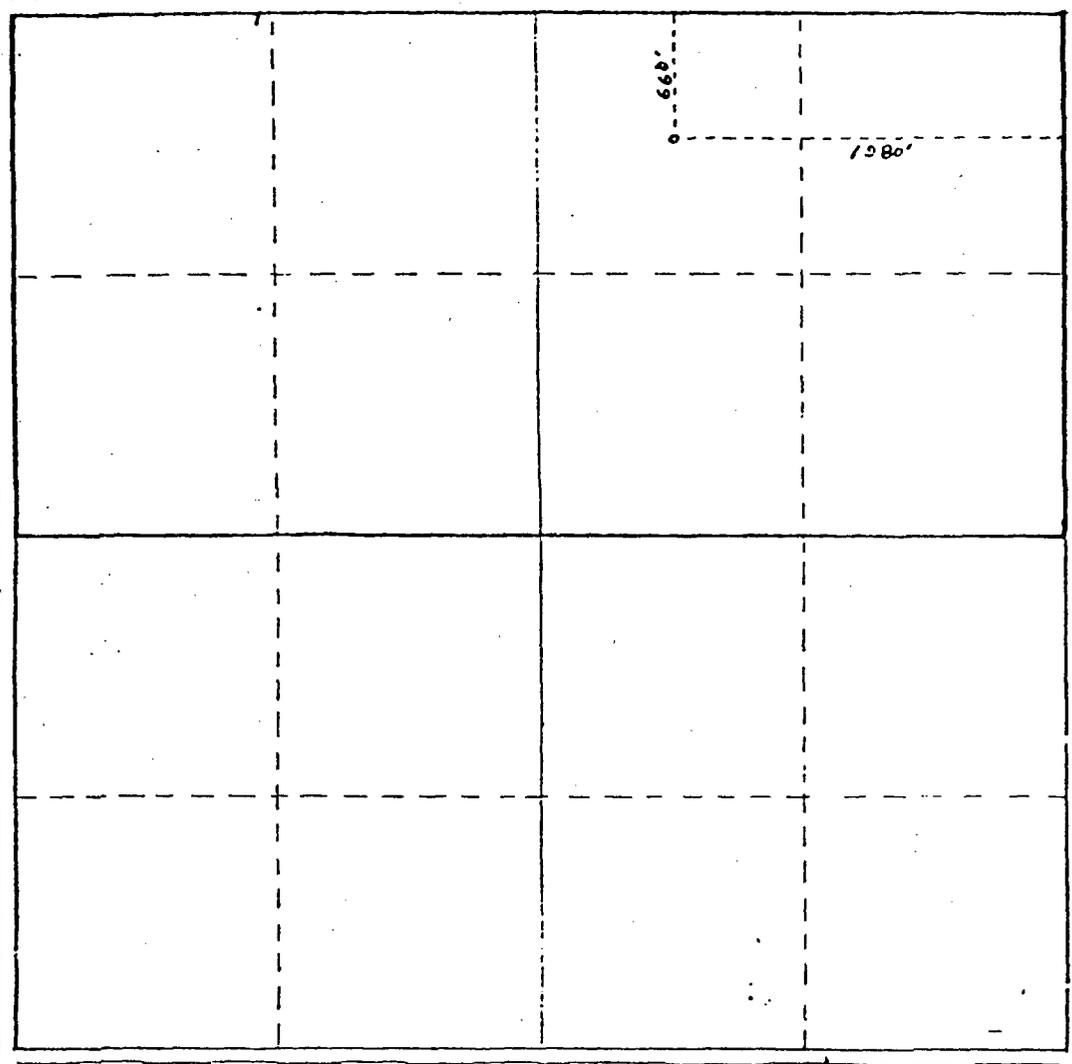
Operator Perry R. Bass		Lease Poker Lake Unit			Well No. 50
Unit Letter B	Section 4	Township 25S	Range 31E	County Eddy	
Actual Footage Location of Well: 660 feet from the North line and 1980 feet from the East line					
Ground Level Elev. 3436.8'	Producing Formation Wolfcamp	Pool Wildcat		Dedicated Acreage: 320	Acres

1. Outline the acreage dedicated to the subject well by colored pencil or hatchure marks on the plat below.
2. If more than one lease is dedicated to the well, outline each and identify the ownership thereof (both as to working interest and royalty).
3. If more than one lease of different ownership is dedicated to the well, have the interests of all owners been consolidated by communitization, unitization, force-pooling, etc?

Yes No If answer is "yes" type of consolidation Unit

If answer is "no," list the owners and tract descriptions which have actually been consolidated. (Use reverse side of this form if necessary.) _____

No allowable will be assigned to the well until all interests have been consolidated (by communitization, unitization, forced-pooling, or otherwise) or until a non-standard unit, eliminating such interests, has been approved by the Commission.



CERTIFICATION

I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief.

H. F. Wurtz, Jr.

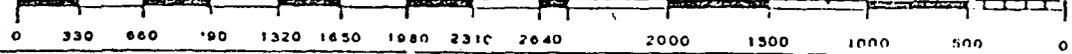
Name H. F. Wurtz, Jr.
Position Senior Production Clerk
Company Perry R. Bass
Date May 27, 1981

I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my knowledge and belief.

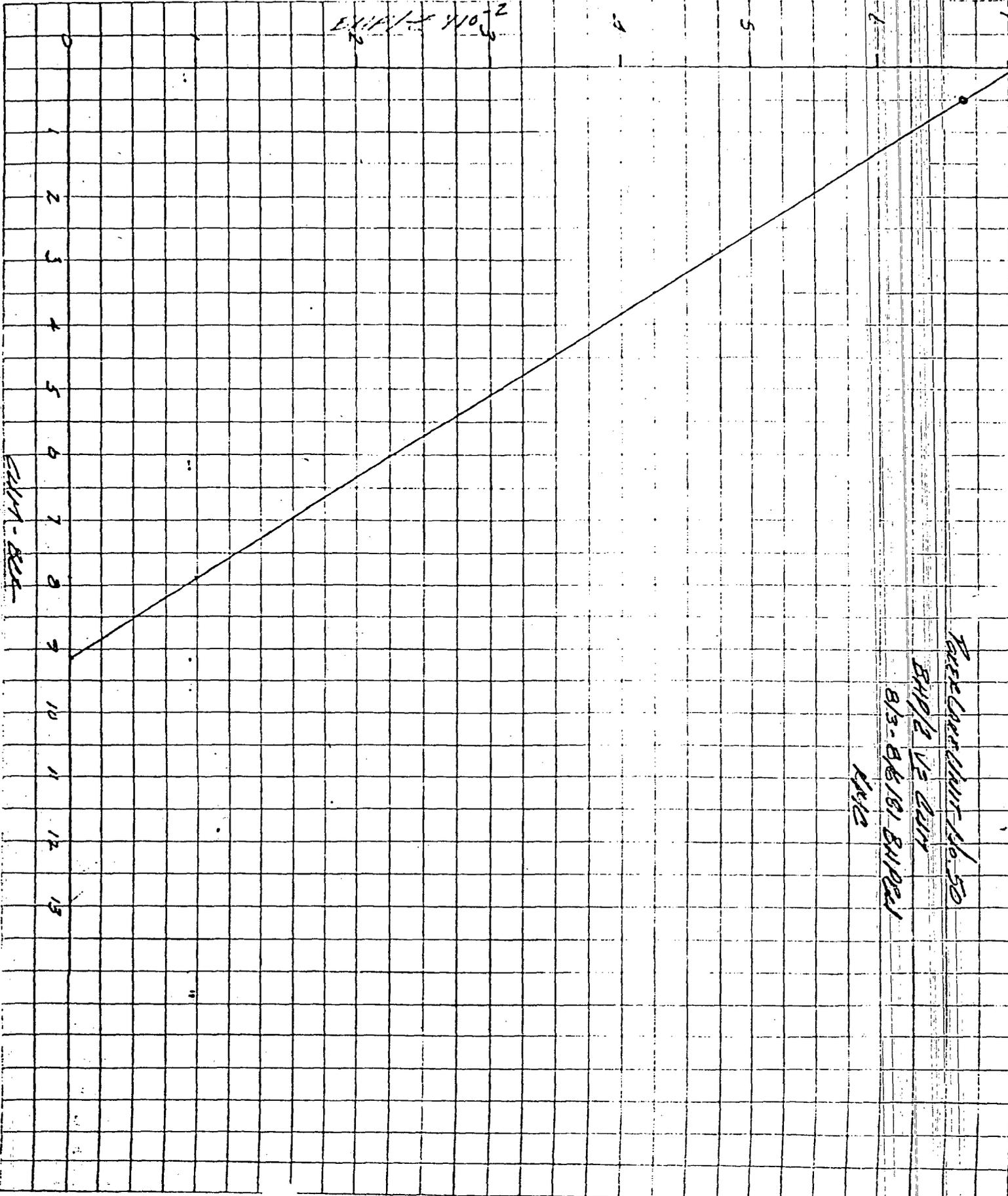
Date Surveyed June 7, 1980
Registered Professional Engineer and/or Land Surveyor

John W. West

Certificate No. _____



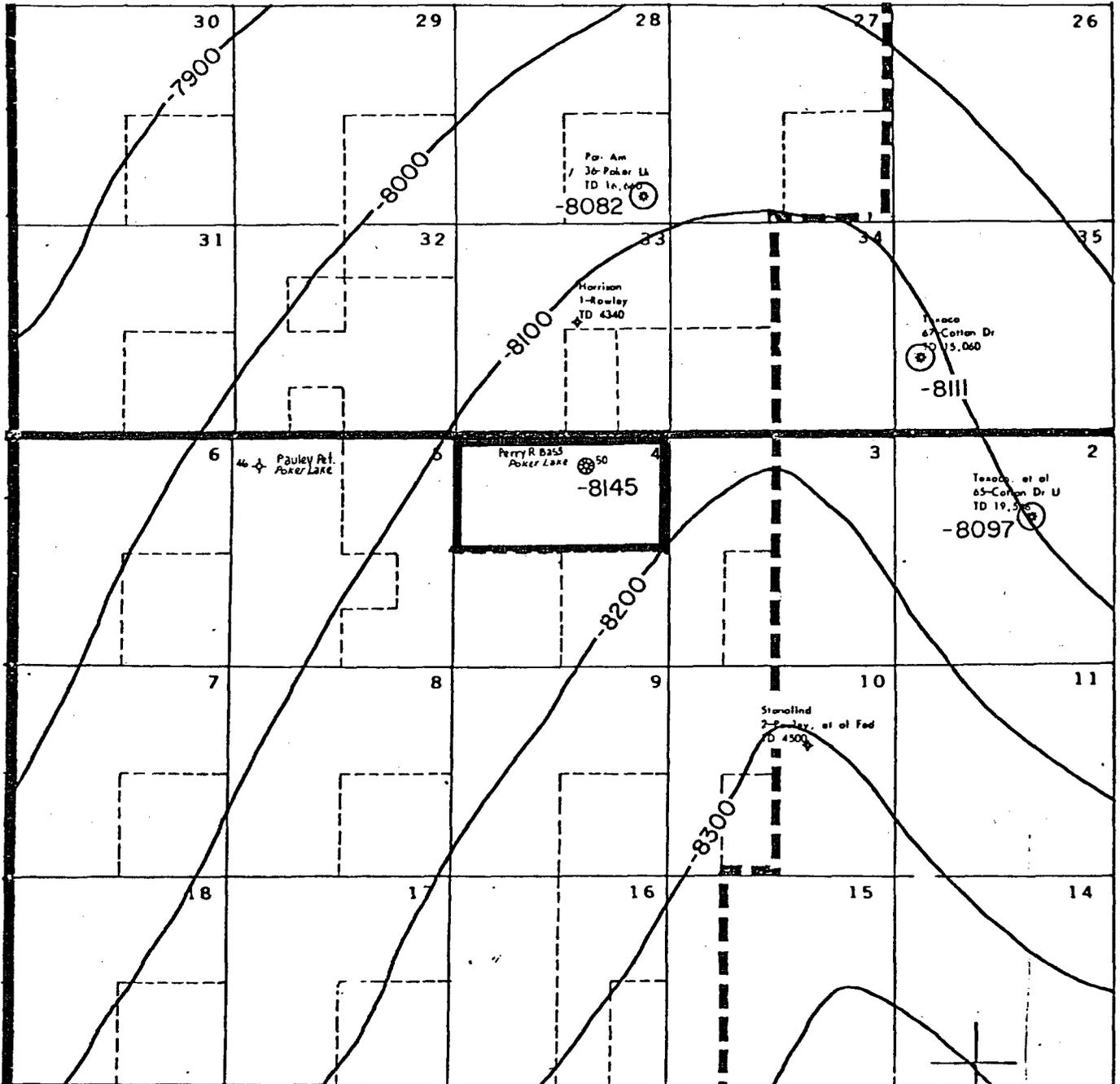
SUBJECT	DATE	DEPARTMENT	PREPARED BY
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STRUCTURE MAP : TOP WOLFCAMP

 Proposed 320 acre Initial Wolfcamp Participating Area

Scale - 1" = 4,000'



BASS ENTERPRISES PRODUCTION CO.
FORT WORTH NATIONAL BANK BUILDING
FORT WORTH, TEXAS 76102

December 15, 1981

UNITED STATES GEOLOGICAL SURVEY
P. O. Box 26124
Albuquerque, New Mexico 87125

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COMMISSIONER OF PUBLIC LANDS
P. O. Box 1148
Santa Fe, New Mexico 87501
Attention: Ray Graham

NEW MEXICO OIL CONSERVATION DIVISION
P. O. Box 2088
Santa Fe, New Mexico 87501

Re: 1982 Plan of Development
Poker Lake Unit
Eddy County, New Mexico

Gentlemen:

In accordance with Section 10 of the Poker Lake Unit Agreement, Perry R. Bass, as Operator, hereby submits for your approval a Plan of Development for the year 1982.

History of Past Development

We refer to our previous Plans of Development for a detailed description of this Unit.

1981 Activity

Poker Lake Unit Well #49 - located 1980' FNL and 990' FWL, Section 17, T24S-R30E, Eddy County, New Mexico. This Well was drilled to a total depth of 14,470' and completed in the Morrow Formation as a gas well with the perforation interval being 14,307'-14,349'. The Well is currently producing as a gas well.

Poker Lake Unit Well #50 - located 660' FNL and 1980' FEL, Section 4, T25S-R31E, Eddy County, New Mexico. This Well was drilled to a total depth of 15,356' and was completed in the Wolfcamp Formation as a gas well, with the perforation interval being 12,950'-12,992'. The Well is currently producing.

Poker Lake Unit Well #51 - located 1980' FNL and 1980' FWL, Section 9, T25S-R30E, Eddy County, New Mexico. This Well was drilled to a total depth of 3,962' to test the Delaware Formation. This Well was plugged and abandoned on April 12, 1981, as a dry hole.

UNITED STATES GEOLOGICAL SURVEY
COMMISSIONER OF PUBLIC LANDS
NEW MEXICO OIL CONSERVATION DIVISION
December 15, 1981
Page 2 of 3

Poker Lake Unit Well #52 - Under the First Amendment, dated June 26, 1981, to the 1981 Plan of Development for the Poker Lake Unit, it was agreed that the Poker Lake Unit Well #52 would be deferred to the 1982 Plan of Development. Due to additional Geological information, we wish to drill this Well at a location 660' FNL and 1980' FWL, Section 33, T25S-R31E, Eddy County, New Mexico, to a depth of 16,000' to test the Morrow Formation.

Poker Lake Unit Well #53 - located 1980' FEL and 660' FNL, Section 9, T25S-R31E, Eddy County, New Mexico. This Well is currently drilling to a projected depth of 15,485' to test the Morrow Formation. The results of this Well will appear in this section in the 1983 Plan of Development.

Future Development

Poker Lake Unit Well #52 - Section 33, T25S-R31E - Morrow Test.

Poker Lake Unit Well #54 - Section 4, T24S-R30E - Delaware Test.

Poker Lake Unit Well #55 - Section 19, T24S-R30E - Delaware Test.

Poker Lake Unit Well #56 - Section 25, T25S-R30E - Delaware Test.

Poker Lake Unit Well #57 - Section 20, T25S-R31E - Delaware Test.

Additional Development

This Plan of Development shall constitute the drilling obligations of the Unit Operator under the terms of the Poker Lake Unit Agreement for the period ending December 31, 1982. However, due to the problems of obtaining drilling rigs and the drilling problems which have been encountered from time to time, the actual drilling of one or more of these Wells may encroach into the year 1983.

Offset Obligations

Appropriate and adequate measures will be taken to prevent drainage of unitized substances from land subject to the Poker Lake Unit Agreement or pursuant to applicable regulations, fair and reasonable compensatory royalty will be paid as provided by the Unit Agreement.

Modifications

It is understood that this Plan of Development may be modified from time to time to meet changing conditions.

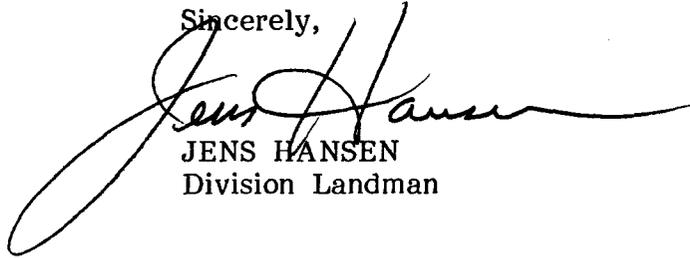
Effective Date

This Plan of Development shall be effective January 1, 1982.

UNITED STATES GEOLOGICAL SURVEY
COMMISSIONER OF PUBLIC LANDS
NEW MEXICO OIL CONSERVATION DIVISION
December 15, 1981
Page 3 of 3

If this Plan of Development meets with your approval, please indicate by signing in the appropriate space provided below and return one (1) copy to us for our records.

Sincerely,



JENS HANSEN
Division Landman

JH:ep

AGREED TO AND ACCEPTED this _____ day of _____, 1981.

UNITED STATES GEOLOGICAL SURVEY

By _____

AGREED TO AND ACCEPTED this _____ day of _____, 1981.

COMMISSIONER OF PUBLIC LANDS

By _____

AGREED TO AND ACCEPTED this 12 day of Jan, 1981

NEW MEXICO OIL CONSERVATION DIVISION

By 

State of New Mexico



Commissioner of Public Lands

December 30, 1981

ALEX J. ARMIJO
COMMISSIONER

P. O. BOX 1148
SANTA FE, NEW MEXICO 87501

Bass Enterprises Production Co.
Fort Worth National Bank Building
Fort Worth, Texas 76102

Approved
1/14/82

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Re: Initial Participating Area for the
Wolfcamp Formation
Poker Lake Unit Area
Eddy County, New Mexico

ATTENTION: Mr. Jens Hansen

Gentlemen:

The Commissioner of Public Lands has this date approved the Initial Wolfcamp Formation Participating Area for the Poker Lake Unit Area, Eddy County, New Mexico. The Initial Wolfcamp Participating Area is 319.82 acres described as Lots 1,2,3,4,S/2N/2 of Section 4, Township 25 South, Range 31 East, and is based on the completion of the Unit Well No. 50.

Our approval is subject to like approval by the United States Geological Survey and the New Mexico Oil Conservation Division.

Enclosed is one approved copy for your files.

Very truly yours,

ALEX J. ARMIJO
COMMISSIONER OF PUBLIC LANDS

BY:
RAY D. GRAHAM, Director,
Oil and Gas Division
AC 505/827-2748

AJA/RDG/pm
encls.

cc: OCD-Santa Fe, New Mexico
USGS-Albuquerque, New Mexico