ARTES Action instructions reverse side)

OMB NO. 1004-0136

FORM APPROVED

UN. . ED STATES **DEPARTMENT OF THE INTERIOR**

BUREAU OF LAND MANAGEMENT

fictitious or fraudulent statements or representations as to any natter within its jurisdiction.

	Expires: February 28, 1995
5.	LEASE DESIGNATION AND SERIAL NO.
	SI _NM_02887D/RHI _NM_02953(

	BUNLAU OI	CAIND WINNA	GEIVIE:	-			6. IP INDIAN, ALLOTTEE	OR TRIBE NAME
APPL	ICATION FOR	PERMIT T	O DRI	LL OR	DEEPE	N		
		DEEPEN					JAMES RANCH	
b. TYPE OF WELL OIL X WELL 2. NAME OF OPERATOR	GAS OTHER		19141		MULTIPL ZONE	EX	8. FARM OR LEASE NAM JAMES RANCH 1	
Bass Enterprises	Production Co. / S	70/5		4	<u>}`</u>		9. API WELL NO.	<u> </u>
3. ADDRESS AND TELEPHONE P.O. Box 2760, M1		760		Const.	915-6	83-2277	30-015	
4. LOCATION OF WELL (Repo	ort location clearly and in accord		equi emen	WED			LOS MEDANOS	(DOHO-0700HOD
Mt suttace	L, SECTION 6, T23S		τ 3 ^A A	RE STAIR C			& WOLFCAMP) 11. SEC., T., R., M., OR E AND SURVEY OR ARE	South EA
BHL: 1980' FSL. 1	980' FWL. SECTION		IE U	nit kgi	<u> </u>		SURF: SEC 6.	
14. DISTANCE IN MILES AND I 38 MILES EAST OF	CADI CDAD NM	N OR POST OF FICE®					12. COUNTY OR PARISH EDDY	13. STATE
15. DISTANCE PROM PROPOSE LOCATION TO NEAREST	D•		16. NO. 0	F ACRES IN LEA	/ZE	17. NO. OF A TO THIS W	CRES ASSIGNED	
(Also to nearest drig. unit 18. DISTANCE FROM PROPOSE	ED LOCATION*			OSED DEPTH		20. ROTARY	OR CABLE TOOLS	(0
TO NEAREST WELL, DRILL OR APPLIED FOR, ON THIS	LEASE, PT. 900			10' TVD/1		ROTA		t 3-14-00
21. ELEVATIONS (Show wheth 3317° GR	her DF,RT, GR, etc.)	BAD CONT	ROLL	ED WAT	ER BAS	IN	UPON APPROX	
23.		PROPOSED CASING						
SIZE OF HOLE	GRADE, SIZE OF CASING	WEIGHT PER POO	ΥΤ	SETTING	DEPTH		QUANTITY OF C	
*14-3/4"	11-3/4". H40	42#	WIT	NES3 650			CIRC TO SURFAC	
11*	8-5/8", K55	32#	WI	N E 3 3 9 5	-		X CIRC TO SURFA X CIRC TO SURFA	
7-7 / 8 "	5-1/2", P110	17#	WI	NESS.	30'	0 5500		ACE. DV TOOL
DRILLING PROC THIS WILL BE TO 21.76 DEG 19.95 DEG AT TVD AND ALL C **(ALL DEPTH THIS WELL IS PROPOSED LOCA UNDER SEPARAT N ABOVE SPACE DESCRIE leepen directionally, give pert	BE PROPOSED PROGRAM: tinent data on subsurface location	M. ANTICIPATIONAL WELL. THAT ANGLE AT ANGLE TO 0.973' TVD W EPT WHEN SPE R-111P POTA IED OF THE DI R-111-P POTA IF proposal is to dee as and measured and	ED TOPS KOP @ TO 10.6 11.730' ILL BE CIFIED SH AREA RILLING DTAS! W.	APPROX 5: 549' WHERI FID. THE WITHIN OF OTHERWISE A AND ALL OF THIS ata on present pal depths. Give	LOO', BUI E WE WILL E LEASE L THODOX L E.) POTASH L WELL. PO SEC productive zone blowout preven	LDING AN BEGIN T INE WILL IMITSAP GE SF EASE CAN TASH NOT RETAR	IGLE AT APPROX TO DROP AT 2.5 NOT BE CROSSE PROVAL SUB- ENERAL REQUE PECIAL STIPUTIONS WILL Y'S POTASH d new productive zone. If any.	DEG/100, TO DECT TO DE
SIGNED -	m R. Dunnel		TLE DIV	ISION DRI	LLING SUF	т. ———	DATE IZ	<u>- 30 - 99</u>
(This space for Federal o	r State office use)							
PERMIT NO.				APPROVAL DA				
Application approval does not CONDITIONS OF APPROV	warrant or certify that the applicant h	olds legal or equiable titl	e to those rig	his in the subject le Acting		entitle the applic	R	
APPROVED BY $\frac{\sqrt{5/}}{}$	F Splen	dollA TH	LE —					4.00
Title 18 U.S.C. Secti	ion 1001, makes it a crime			On Reverse S and willfully to		Notify ne@	ODsatySPUD ^j r	ged the any false,

CONTRACTOR OF THE SECOND

BECEIVED

SOSWELL, NM

JAN 05 2000

DISTRICT I P.O. Box 1960, Hobbs, NM 66240

State of New Mexico

Energy, Minerals and Natural Resources Department

Form C-102 Revised February 10, 1984 Instruction on back

Submit to Appropriate District Office

State Lease - 4 Copies Fee Lease - 3 Copies

DISTRICT II P.O. Drawer DD, Artesia, NM 88210

DISTRICT III 1000 Rie Brance Rd., Astec, NM 87410

OIL CONSERVATION DIVISION

P.O. Box 2088

Santa Fe, New Mexico 87504-2088

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

API Number	Pool Code	Pool Name	
•		LOS MEDANOS (WOLFCAMP & BO	NE SPRING)
Property Code	Prop	erty Name	Well Number
	JAMES	RANCH UNIT	26
OGRID No.	Oper	stor Name	Elevation
001801	BASS ENTERPRISES	PRODUCTION COMPANY	3317'

Surface Location

1	UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
	LOT 3	6	23 S	31 E		200	NORTH	1355	WEST	EDDY

Bottom Hole Location If Different From Surface

UL or lot No.	Section	Township	Range	Lot idn	Feet from the	North/South line	Feet from the	East/West line	County
К	31	22 S	31 E		1980	SOUTH	1980	WEST	EDDY
Dedicated Acres	Joint o	r Infill C	onsolidation	Code Cr	der No.				
40	Υ								

NO ALLOWABLE WILL BE ASSIGNED TO THIS COMPLETION UNTIL ALL INTERESTS HAVE BEEN CONSOLIDATED OR A NON-STANDARD UNIT HAS BEEN APPROVED BY THE DIVISION

Lot 3 - 40.47 Ac.	A 354		OPERATOR CERTIFICATION I hereby certify the the infermation contained herein is true and complete to the best of my knewledge and belief.
Lot 4 - 40.81 Ac.		+	William R. Dannel
2267.8	1980'		William R. Dannels Printed Name Division Drilling Supt. Title 12-30-99
3313.9' 3317.1 1355' 9		i, R-31-E	SURVEYOR CERTIFICATION I hereby certify that the well location shown on this plat was platted from field notes of actual surveys made by me or under my
			supervison and that the same is true and correct to the best of my belief. November 16, 1999 Date Surveyed L JONES Significan Sent of
10t 4 - 40.45 Ac. 10t 3	- 35.50 AC. LOT 2 - 35.54 AC.	1 23.30 20.	Professional Control
Lot 5 - 40.79 Ac.			Certification Survey S

EIGHT POINT DRILLING PROGRAM BASS ENTERPRISES PRODUCTION CO.

NAME OF WELL: JAMES RANCH UNIT #26

LEGAL DESCRIPTION - SURFACE: 200' FNL & 1355' FWL, Section 6, T-23-S, R-31-E, Eddy County, New Mexico.

Bottom Hole Location: 1980' FSL & 1980' FWL, Section 31, T22S, R31E, Eddy County, New Mexico.

POINT 1: ESTIMATED FORMATION TOPS

(See No. 2 Below)

POINT 2: WATER, OIL, GAS AND/OR MINERAL BEARING FORMATIONS

Anticipated Formation Tops: KB 3333' (est)

GL 3317'

<u>FORMATION</u>	ESTIMA TOP FR		ESTIMATED SUBSEA TOP	BEARING
	TVD	MD_	TVD	
T/Rustler	604'	604'	+2,729'	None
T/Salt	704'	704'	+2,629'	None
B/Salt	3,604'	3,604'	- 271'	None
T/Ramsey	3,973'	3,973'	- 640'	None
T/Delaware 'C'	7,258'	7,379'	- 3,925'	Oil & gas
T/Delaware 'D'	7,485'	7,624'	- 4,152'	Oil & gas
T/Bone Spring	7,765'	7,925'	- 4,432'	Oil & Gas
T/3rd Bone Spring	10,937'	11,333'	- 7,604'	Oil & Gas
T/Wolfcamp	11,058'	11, 4 61'	- 7,725'	Oil & Gas
TD	11,310'	11,730'	- 7,977'	

POINT 3: CASING PROGRAM

TYPE	INTERVALS	<u>PURPOSE</u>	CONDITION
16"	0' - 40'	Conductor	New
11-3/4", 42#, H-40, STC	0' - 650'	Surface	New
8-5/8", 32#, K-55, STC	0' - 3,950'	Intermediate	New
5-1/2", 17#, P-110, LTC	0' - 11,730'	Production	New

POINT 4: PRESSURE CONTROL EQUIPMENT (SEE ATTACHED DIAGRAM)

A BOP equivalent to Diagram 1 will be nippled up on the surface casing head. The BOP stack, choke, kill lines, kelly cocks, inside BOP, etc. will be hydro-tested to the lowest rated working pressure of the equipment being tested. In addition to the rated working pressure test, a low pressure (200 psi) test will be required. These tests will be performed:

- a) Upon installation
- b) After any component changes
- c) Fifteen days after a previous test
- d) As required by well conditions

A function test to insure that the preventers are operating correctly will be performed on each trip. See the attached Diagram 1 for the minimum criteria for the choke manifold.

POINT 5: MUD PROGRAM

DEPTH	MUD TYPE	WEIGHT	FV	<u>PV</u>	<u>YP</u>	<u>FL</u>	<u>Ph</u>
0' - 650'	FW Spud Mud	8.5 - 9.2	35-40	NC	NC	NC	NC
650' - 3,950'	BW .	9.8 - 10.2	29-30	NC	NC	NC	NC
3,950' - 7,800'	FW/Starch	8.4 - 8.8	29-31	NC	NC	<100	9.5-10.5
7,800' - 11,730'	CBW/Polymer	8.6 - 9.8	34-45	10-14	12-18	15-18	9.5-105

POINT 6: TECHNICAL STAGES OF OPERATION

A) TESTING

Drill stem tests will be performed on significant shows in zones of interest.

B) LOGGING

GR-CNL-LDT, GR-DLL-MSFl. run from TD to 3950', GR-CNL intermediate casing shoe to surface.

C) CORING

No cores are anticipated.

D) CEMENT

INTERVAL SURFACE	AMOUNT SXS	FT OF FILL	TYPE	GALS/SX	PPG	FT³/SX
Circ to surface Lead (100% excess)	±260	525	Class C + 4% Gel + 2% CaCl ₂ + 1/4 ppg Celloflake	9.17	13.50	1.75
Tail (100% excess)	±100	125	Class C + 2% CaCl ₂ + 1/4 ppg Celloflake	6.36	14.80	1.34

Con't... POINT 6: TECHNICAL STAGES OF OPERATION

D) CEMENT

,		FIOF				
INTERVAL INTERMEDIATE	AMOUNT SXS	FILL	TYPE	GALS/SX	<u>PPG</u>	FT ³ /SX
Circ to surface Lead (100% excess)	±750	33:20	50/50 Poz C + 10% Gel + 5% Salt	12.09	12.59	2.24
Tail (100% excess)	±250	630	Class C + 1% CaCl ₂	6.34	14.80	1.34
PRODUCTION (Two:	stage w/DV tool @ 5500' a	and ⊲irculat	e cement to surface.)			
INTERVAL	AMOUNT SXS	FILL	TYPE	GALS/SX	<u>PPG</u>	FT³/SX
1# Stage 5500'-11,730' (50% excess)	1190	6230	Poz H + 0.5% FL-25 + 0.5% FL-52 + 2 pps Salt	6.36	14.00	1.36
2 nd Stage LEAD 0'-5000' (50% excess)	450	5000	Poz H + 10% Gel + 5% Salt + 0.2% FL-52	12.09	12.59	2.24
TAIL 5000-5500' (50% excess)	100	500	Class C Neat	6.34	14.80	1.34

E) DIRECTIONAL DRILLING (See attached directional plan.)

A straight hole will be drilled to 5100' TVD. A gyro or multi-shot directional survey will be taken in 100' intervals from 5100' to surface.

Directional surveys will be provided at least every 200' from TD to 5100' detailing hole location.

POINT 7: ANTICIPATED RESERVOIR CONDITIONS

Normal pressures are anticipated throughout the Delaware section. The Bone Spring expected BHP is 6000 (max) cr an equivalent mud weight of 10.0 ppg @ TD. Due to the tight nature of the reservoir rock (high pressure, low volume), the well will be drilled under balanced utilizing a rotating head. The expected BHT at TD is 170°F. Prior to penetrating the abnormal pressures in the Bone Spring and Wolfcamp, mud-monitoring equipment will be installed and operative. No $\rm H_2S$ is anticipated.

POINT 8: OTHER PERTINENT INFORMATION

A) Auxiliary Equipment

Upper and lower kelly cocks. Ifull opening stab in valve on the rig floor.

B) Anticipated Starting Date

Upon approval

31 days drilling operations

15 days completion operations

JCW/mac December 30, 1999

MULTI-POINT SURFACE USE PLAN

NAME OF WELL: JAMES RANCH UNIT #26

LEGAL DESCRIPTION - SURFACE 200' FNL & 1355' FWL, Section 6, T-23-S, R-31-E, Eddy County, New Mexico.

Bottom Hole Location: 1980' FSL & 1980' FWL, Section 31, T22S, R31E, Eddy County, New Mexico.

POINT 1: EXISTING ROADS

A) Proposed Well Site Location:

See Exhibit "A".

B) Existing Roads:

From Jal, New Mexico, go west on Hwy 128 approximately 47 miles (10 miles east of Hwy 31 & Hwy 128). Go North on paved WIPP road for 3/4 mile. Turn right and go East 1/4 mile on lease road then north 1/4 mile, then west into location.

C) Existing Road Maintenance or Improvement Plan:

See Exhibit "A".

POINT 2: NEW PLANNED ACCESS ROUTE

A) Route Location:

See Exhibit "A". If this well is the first well on the 4 well location pad, the new road from existing JRU #73 location will be 12' wide and approximately 300' long. The road will be constructed of watered and compacted caliche. If not the first well on the location pad, no new road will be required.

B) Width

Not applicable

C) Maximum Grade

Not applicable.

D) Turnout Ditches

None.

POINT 2: NEW PLANNED ACCESS ROUTE - Con't...

E) Culverts, Cattle Guards, and Surfacing Equipment None.

POINT 3: LOCATION OF EXISTING WELLS

Exhibit "A-1" indicates existing wells within the surrounding area.

POINT 4: LOCATION OF EXISTING OR PROPOSED FACILITIES

A) Existing facilities within one m le owned or controlled by lessee/operator:

Production facilities and wells are shown on Exhibit "A-1" at:

James Ranch Unit #1

James Ranch Unit #13

James Ranch Unit #4

James Ranch Unit #19

James Ranch Unit #7

James Ranch Unit #29

James Ranch Unit #10

B) New Facilities in the Event of Production:

Will build new facilities at new James Ranch Unit #22, 23, 24, & 25 surface pad and lay a flowline to those facilities.

C) Rehabilitation of Disturbed Areas Unnecessary for Production:

Those access areas required for continued production will be graded to provide drainage and minimize erosion. The areas unnecessary for use will be graded to blend in the surrounding topography – See Point 10.

POINT 5: LOCATION AND TYPE OF WATER SUPPLY

A) Location and Type of Water Supply

Brine water will be hauled form commercial facilities. Fresh water to be hauled from Diamond and a Half Meter Station, 35 miles east of Carlsbad, New Mexico or from Mills Ranch.

B) Water Transportation System

Water hauling to the location will be over the existing and proposed roads.

POINT 6: SOURCE OF CONSTRUCTION MATERIALS

A) Materials

Surface caliche will be used if possible. Closest alternate caliche source is indicated on Exhibit "A".

B) Land Ownership

Federally owned both surface and bottom hole locations.

C) Materials Foreign to the Site

No construction materials foreign to this area are anticipated for this drill site.

D) Access Roads

See Exhibit "A".

POINT 7: METHODS FOR HANDLING WASTE MATERIAL

A) Cuttings

Cuttings will be contained in the plastic lined reserve pit.

B) Drilling Fluids

Drilling fluids will be contained in the plastic lined reserve pit.

C) Produced Fluids

Water production will be contained in the plastic lined reserve pit.

Hydrocarbon fluid or other fluids that may be produced during testing will be retained in test tanks. Prior to cleanup operations, any hydrocarbon material in the reserve pit will be removed by skimming or burning as the situation would dictate.

D) Sewage

Current laws and regulations pertaining to the disposal of human waste will be complied with.

E) Garbage

Portable containers will be utilized for garbage disposal during the drilling of this well.

POINT 7: METHODS FOR HANDLING WASTE MATERIAL - Con't...

F) Cleanup of Well Site

Upon release of the drilling rig, the surface of the drilling pad will be graded to accommodate a completion rig if electric log analysis indicate potential productive zones. In any case, the "mouse" hole and the "rat" hole will be filled and covered. The reserve pit will be bird netted and fenced. The fence will be maintained until the pit is backfilled. Reasonable cleanup will be performed prior to the final restoration of the site.

POINT 8: ANCILLARY FACILITIES

None required.

POINT 9: WELL SITE LAYOUT

A) Rig Orientation and Layout

Exhibit "C" shows the dimensions of the well pad and reserve pits, and the location of major rig components. Only minor leveling of the well site will be required. No significant cuts or fills will be necessary.

B) Locations of Pits and Access Road

See Exhibits "A" and "C".

C) Lining of the Pits

The reserve pits will be lined with plastic.

POINT 10: PLANS FOR RESTORATION OF THE SURFACE

A) Reserve Pit Cleanup

Pits will be fenced immediately after spudding and maintained until backfilled. Prior to back-filling, any hydrocarbon material on the pit surfaces shall be removed. The fluids and solids contained in the pits shall be backfilled with soil excavated from the site and soil adjacent to the reserve pits. The restored surface of the pits shall be contoured to prevent impoundment of surface water flow. Water-bars will be constructed as needed to prevent excessive erosion. Topsoil, as available, shall be placed over the restored surface in a uniform layer. The area will be seeded to Bureau of Land Management stipulations in the appropriate season following restoration.

POINT 10: PLANS FOR RESTORATION OF THE SURFACE - Con't ...

B) Restoration Plans - Production Developed

Reserve pits will be backfilled and restored as described above under Item A. In addition, those areas not required for production will be graded to blend with the surrounding topography. Topsoil, as available, will be placed upon those areas and seeded. The portion of the site required for production will be graded to minimize erosion and provide access during inclement conditions. Following depletion and abandonment of the site, restoration procedures will be those that follow under Item C.

C) Restoration Plans - No Production Developed

Reserve pits will be restored as described above. With no production developed, the entire surface disturbed by construct on of the well site will be restored. The site will be contoured to blend with the surrounding topography and provide drainage of surface water. The topsoil, as available, shall be replaced in a uniform layer and seeded according to the Bureau of Land Management's stipulations.

D) Rehabilitation's Time table

Upon completion of drilling operations, the initial cleanup of the site will be performed as soon as weather and site conclitions allow economic execution of the work.

POINT 11: OTHER INFORMATION

A) Terrain

Relatively flat.

B) Soil

Caliche and sand.

C) Vegetation

Sparse, primarily grasses and mesquite with very little grass.

D) Surface Use

Primarily grazing.

E) Surface Water

There are no ponds, lakes, streams or rivers within several miles of the wellsite.

POINT 11: OTHER INFORMATION -- Con't ...

F) Water Wells

Mills Ranch has a water well.

G) Residences and Buildings

Ranch house is approximately 1 to 1-1/2 miles south of location.

H) Historical Sites

None observed.

I) Archeological Resources

An archeological survey will be obtained for this area. Before any construction begins, a full and complete archeological survey will be submitted to the Bureau of Land Management. Any location or construction conflicts will be resolved before construction begins.

J) Surface Ownership

The well site and new access road is on federally owned land. No ROW will be required.

- K) Well signs will be posted at the drilling site.
- L) Open Pits

All pits containing liquid or mud will be fenced and bird netted.

POINT 12: OPERATOR'S FIELD REPRESENTATIVE

(Field personnel responsible for compliance with development plan for surface use).

DRILLING
William R. Dannels
Box 2760
Midland, Texas 79702

(915) 683-2277

PRODUCTION
Mike Waygood

3104 E. Green St.

Carlsbad, New Mexico 88220

(505) 887-7329

Keith E. Bucy Box 2760

Midland, Texas 79702

(915) 683-2277

POINT 13: CERTIFICATION

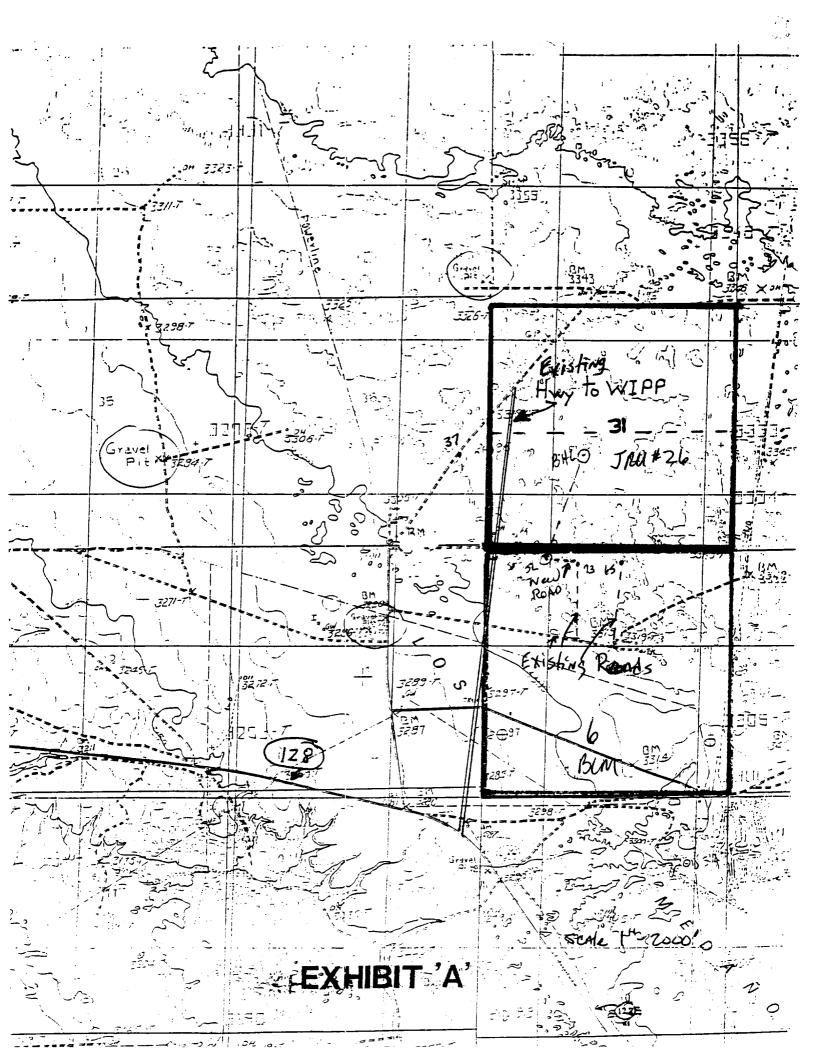
I hereby certify that I, or persons under my direct supervision have inspected the proposed drill site and access route; that I am familiar with the conditions which currently exist; that the statements made in the plan are, to the best of my knowledge, true and correct; and that the work associated with operations proposed herein will be performed by Bass Enterprises Production Co. and it's contractors and subcontractors in conformity with this plan and the terms and conditions under which it is approved. This statement is subject to the provisions of 18 U.S.C. 1001 for the filing of a false statement.

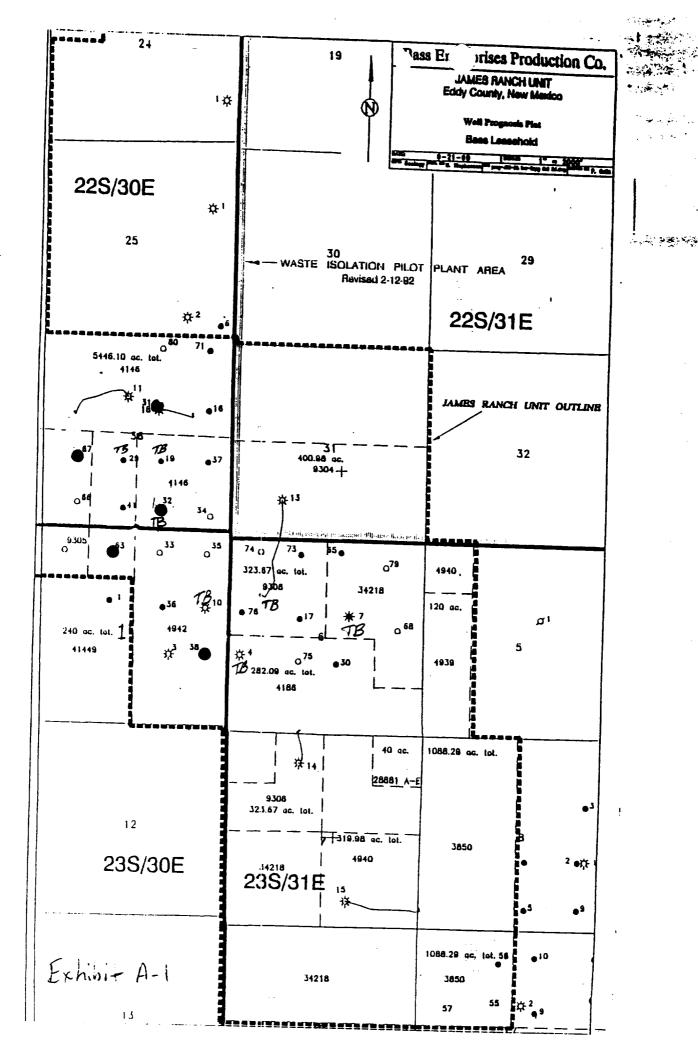
Date

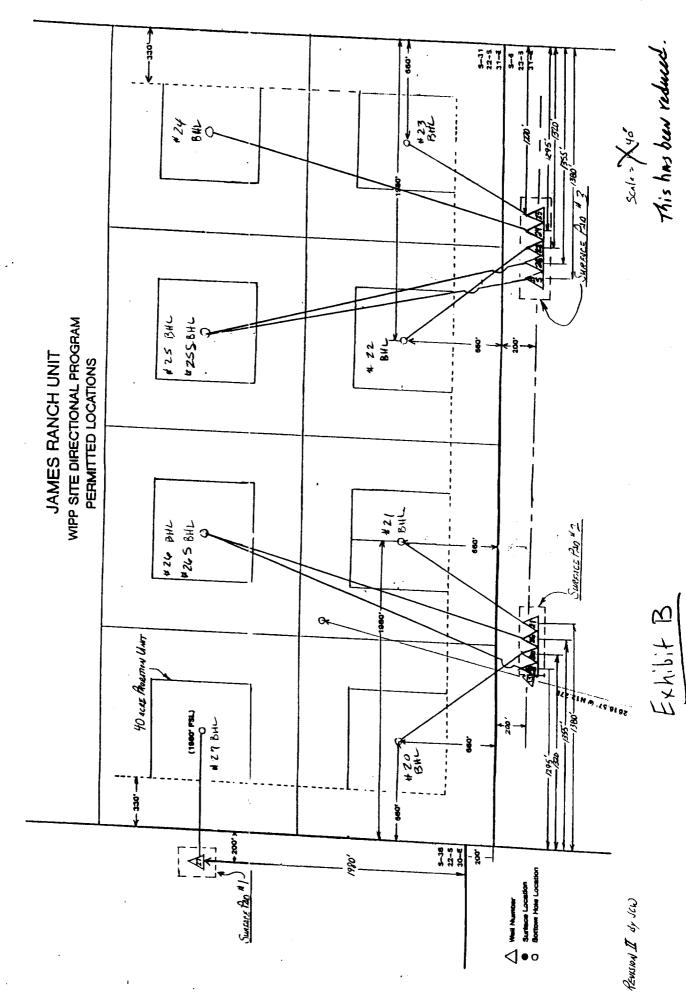
WRD/JCW:mac

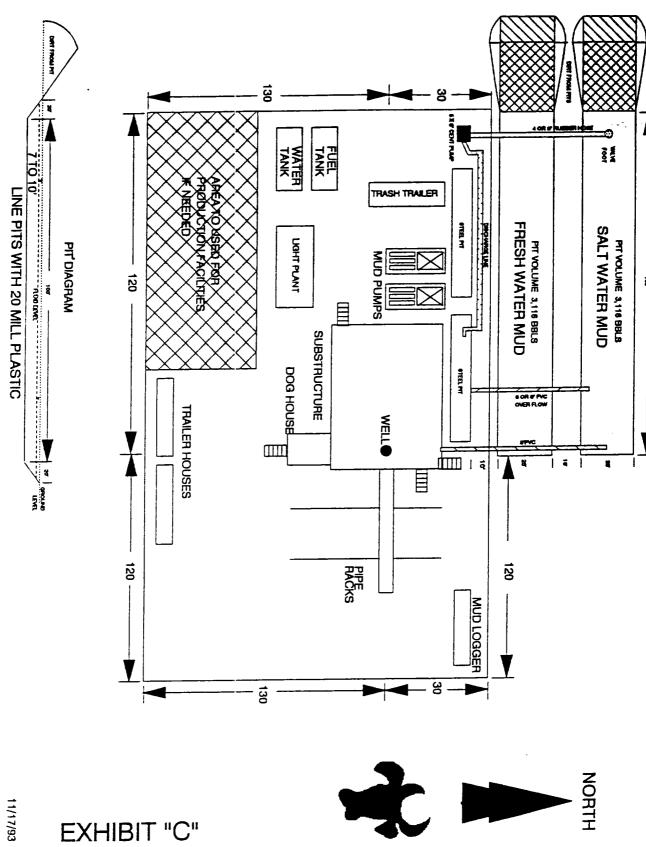
12-30-99

William R. Dannels
William R. Dannels

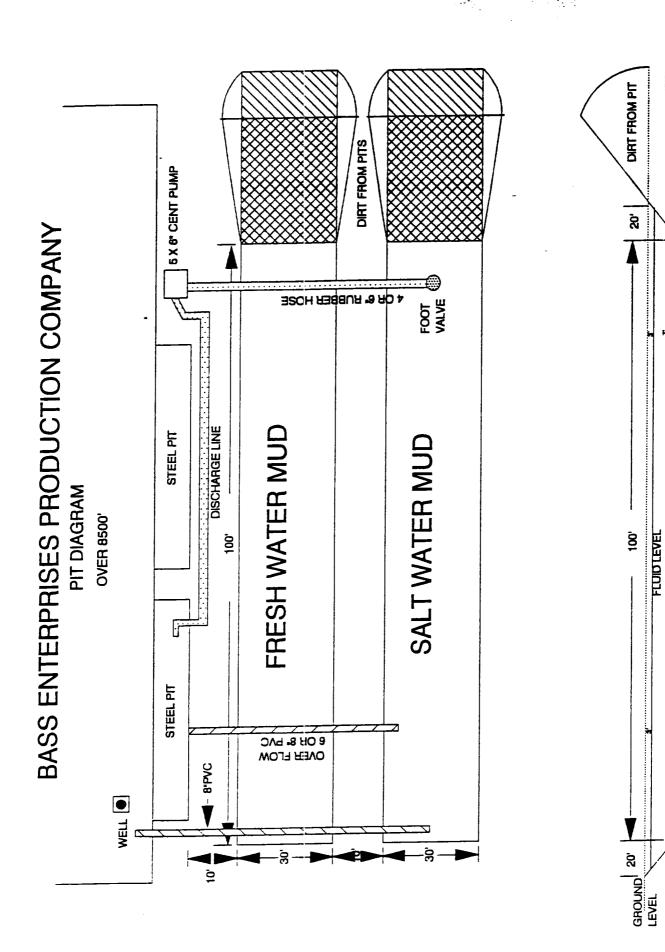








11/17/93 BGH

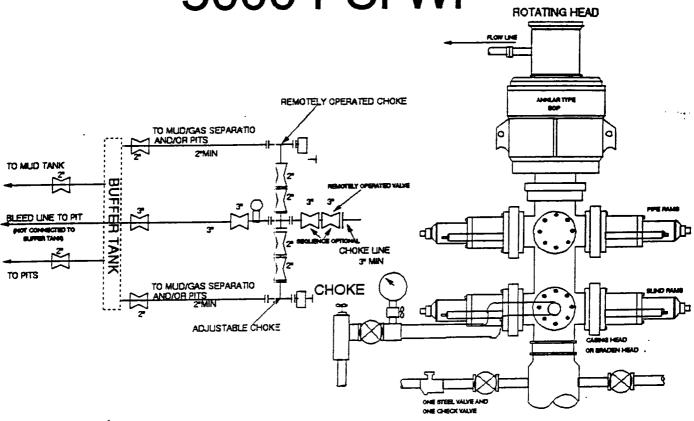


LINE PITS WITH 20 MILL PLASTIC

FLUID LEVEL

ļ

5000 PSI WP



THE FOLLOWING CONSTITUTE MINIMUM BLOWOUT PREVENTER REQUIREMENTS

- A. One double gate blowout preventer with lower rams for pipe and upper rams blind, all hydraulically controlled.
- B. Opening on preventers between rams to be flanged, studded or clamped and at least two inches in diameter.
- C. All connections from operating manifold to preventers to be all steel hose or tube a minimum of one inch in diameter.
- D. The available closing pressure shall be at least 15% in excess of that required with sufficient volume to operate (close, open, and re-close) the preventers.
- E. All connections to and from preventers to have a pressure rating equivalent to that of the BOP's.
- F. Manual controls to be installed before drilling cement plug.
- G. Valve to control flow through drill pipe to be located on rig floor.
- H. All chokes will be adjustable. Choke spool may be used between rams.

PLAN VIEW

Clhent:

Bass Enterprises Pro action Company

Well:

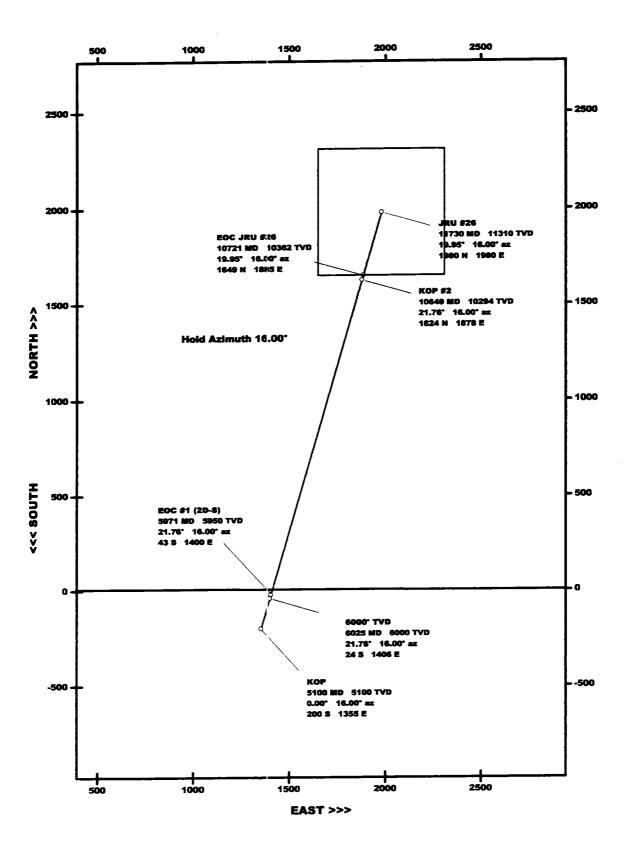
JRU #26

Schlumberger

Eddy County, NM Field: Structure: James Ranch Unit

1 in = 500 ftScale: 27-Dec-1999

Date:



Schlumberger

VERTICAL SECTION VIEW

Client: Bass Enterprises Production Company

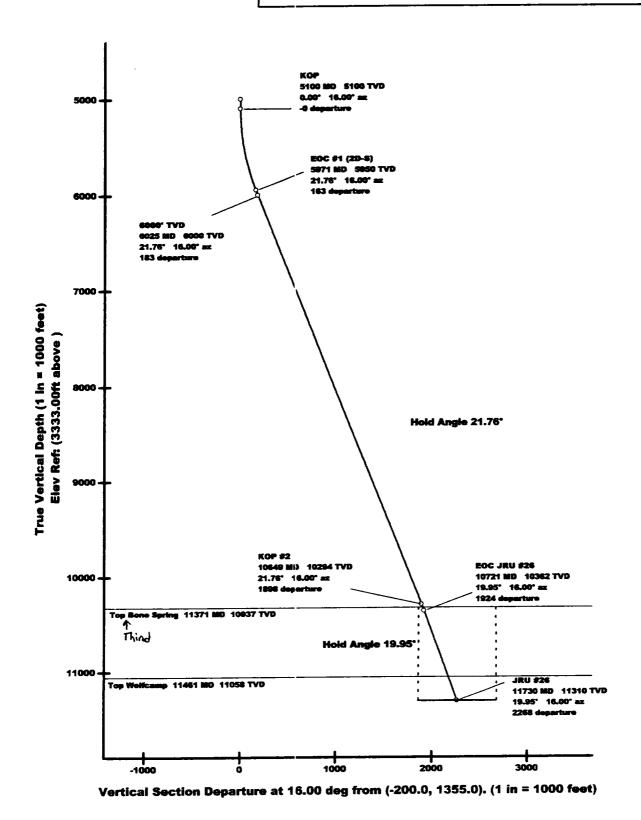
Well: JRU #26

Field: Eddy County, NM Structure: James Ranch Unit

Section At: 16.00 deg

Date:

December 27, 1999



Schlumberger

Proposed Well Profile

DLS Computation Method: Lubinski	Field: Eddy County, NM
Vertical S	
Vertical Section Origin: S 199.996 ft, E 1354.999 ft	
Magnetic Declination:	
Total Field Strength:	
Declination Date: December 10, 1999	
Location: N 30 20 21.040, W 103 49 16.601 BGGM 1999	Ö
E 661529.491 ftUS	(D)
State Planes, Eastem Zone, US Feet Coordinate Reference To: Structure Reference Point	a

Station ID	QW	luci	Azim	TVD	VSec	S-/N	E/-W	Closure	at Azim	DLS	ŦF
	€	•	€	(Œ	(ft)	(H)	(ft)	(.)	(*/100ft)	(,)
Tie-In	5000.00	0.00	16.00	5000.00	00.0	-200.00	1355.00	00.0	98.40	00.0	16.0MTF
KOP	5100.00	0.00	16.00	5100.00	0.00	-200.00	1355.00	0.00	98.40	0.00	16.0MTF
	5200.00	2.50	16.00	5199.97	2.18	-197.90	1355.60	2.18	98.31	2.50	16.0MTF
	5300.00	5.00	16.00	5299.75	8.72	-191.62	1357.40	8.72	98.04	2.50	16.0
	5400.00	7.50	16.00	5399.14	19.60	-181.15	1360.40	19.60	97.58	2.50	0.0
	5500.00	10.00	16.00	5497.97	34.81	-166.53	1364.60	34.81	96.96	2.50	0.0
	5600.00	12.50	16.00	5596.04	54.32	-147.78	1369.97	54.32	96.16	2.50	0.0
	5700.00	15.00	16.00	5693.17	78.09	-124.93	1376.52	78.09	95.19	2.50	0.0

Station ID	WD	Incl	Azim	σντ	VSec	S-/N	E/-W	Closure	at Azim	DLS	TF
	(#)	(_)	(,)	(ft)	(tt)	(ft)	(ft)	(ft)	(,)	(*/100ft)	(0)
	5800.00	17.50	16.00	5789.17	106.07	-98.03	1384.23	106.07	94.05	2.50	0.0
	2900.00	20.00	16.00	5883.85	138.21	-67.14	1393.09	138.21	92.76	2.50	0.0
EOC #1 (2D-S)	5970.59	21.76	16.00	5949.80	163.37	-42.95	1400.03	163.37	91.76	2.50	0.0
G000' TVD	6024.64	21.76	16.00	00.0009	183.41	-23.69	1405.55	183.41	90.97	0.00	0.0
KOP #2	10648.57	21.76	16.00	10294.31	1897.95	1624.46	1878.06	1897.95	49.14	0.00	180.0
	10700.00	20.48	16.00	10342.28	1916.48	1642.27	1883.17	1916.48	48.91	2.50	180.0
EOC JRU #26	10721.21	19.95	16.00	10362.19	1923.81	1649.32	1885.19	1923.81	48.82	2.50	88.8
	10800.00	19.95	16.00	10436.25	1950.69	1675.16	1892.60	1950.69	48.49	00.00	88.8
	10900.00	19.95	16.00	10530.25	1984.81	1707.95	1902.00	1984.81	48.08	0.00	88.8
	11000.00	19.95	16.00	10624.25	2018.93	1740.75	1911.40	2018.93	47.68	0.00	88.8
	11100.00	19.95	16.00	10718.25	2053.05	1773.55	1920.81	2053.05	47.28	0.00	88.8
	11200.00	19.95	16.00	10812.25	2087.17	1806.34	1930.21	2087.17	46.90	00.00	88.8
	11300.00	19.95	16.00	10906.25	2121.28	1839.14	1939.61	2121.28	46.52	0.00	88.8
Top Bone Spring	11332.72		16.00	10937.00	2132.44	1849.87	1942.69	2132.44	46.40	0.00	88.8
· -	11400.00	19.95	16.00	11000.25	2155.40	1871.93	1949.01	2155.40	46.16	0.00	88.8
Top Wolfcamp	11461.44	19.95	16.00	11058.00	2176.36	1892.08	1954.79	2176.36	45.93	0.00	88.8
	11500.00	19.95	16.00	11094.25	2189.52	1904.73	1958.42	2189.52	45.80	00.00	88.8
	11600.00	19.95	16.00	11188.25	2223.64	1937.53	1967.82	2223.64	45.44	0.00	88.8
	11700.00	19.95	16.00	11282.25	2257.75	1970.32	1977.22	2257.75	45.10	0.00	88.8
JRU #26	11729.52	19.95	16.00	11310.00	2267.83	1980.00	1980.01	2267.83	45.00	0.00	0.0

Survey Program: (No Error Model Selected)