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			to \$1819 70	5. LEASE DESIGNATION AND SERIAL NO.	
	MENT OF THE		10 () 1017	NM-33277	
Carlsbad Field Office BUREA	U OF LAND MANA	GEMENT /		6. IF INDIAN, ALLOTTEE OR TRIBE NAME	
APPLICATION FOR					
		(e) 00	RECENT OF	UNIT AGREEMENT NAME	
IA. TYPE OF WORK		00 0C	ADTED 6	23453	
1b. TYPE OF WELL		60	TATESIA OF	8. FARM OR LEASE NAME	
OIL GAS WELL WELL	XX OTHER		MULTIPE	Derrick Federa	1 Com
2. NAME OF OPERATOR			003330	9. WELL NO.	
Ocean Energy,	Inc. 169	355		3	
3 ADDRESS OF OPERATOR				10. FIELD AND POOL OR WILDCAT	
1305 N. Garfie	ld, Suite 20	OA, Midland	<u>, TX 79705</u>	Diamond Morfow	<u> </u>
4 LOCATION OF WELL (Report location	in clearly and in accordance wi	th any State requirements.		11. SEC., T., R., M., OR BLK.	
At Surface 3300 FSL, 1	980 FWL, Sec	5, T-16S,	R-28E	AND SURVEY OR AREA	
At proposed Brod. Zone			Eddy Co, NM	Sec 5 T-16S-R2	8E
Salle	(et i (12. COUNTY OR PARISH	. STATE
14. DISTANCE IN MILES AND DIRECTION	FROM NEAREST TOWN OR PO	ST OFFICE"		Eddy County	<u>NM</u>
10 miles north 15. DISTANCE FROM PROPOSED* LOCATI	east of Arte	16. NO. OF ACRES IN LEASE	17.	NO. OF ACRES ASSIGNED TO THIS WELL	
15. DISTANCE FROM PROPOSED* LOCATI OR LEASE LINE, FT.(Also to nearest drig.	unit line, if any)			270.20	
1980'		805.75	20	ROTARY OR CABLE TOOLS	
18. DISTANCE FROM PROPOSED LOCATIO DRILLING, COMPLETED, OR APPLIED	ON* TO NEAREST WELL,	19. PROPOSED DEPTH			
DRILLING, COMPLETED, OR APPLIED	FOR OIL HILD DENOD, TH	9250		Rotary	<u> </u>
21. ELEVATIONS (Show whether DF, RT, GE	R, etc.)			22. APPROX. DATE WORK WILL START*	
3655 <i>GR</i>				<u>July 15, 2000</u>	
23.	PROPOSED CASIN	G AND CEMENTING	SETTING DEPTH	QUANTITY OF CEMENT	
SIZE OF HOLE	SIZE OF CASING	WEIGHT/FOOT	40 '	ready-mix to surf	ace
36"	20	<u> </u>	500'	400sx	
17 1/2"	$+\frac{13}{8}\frac{5/8}{5/8}$	32	2000'	600sx	
7 7/8"	4 1/2	13.5	9250'	500sx	
/ //0			" conductor	and cement to sur	face with
ready-mix.	$b_{010} \pm 0.500$		-+ 500' of 1	3 3/8" H-40, 48# S	ST&C csg
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productive in	terval. Cem	ent volumes	will be adj	usted based on ope	en-noie
	OSED PROGRAM : If propos	sal is to deepen or plug back	give data on present production red and true vertical depths.	ve zone and proposed new productive zone. Give blowout preventer program, if any.	
If proposal is to drift or deepen directio	nally, give pertinent data on su	OSUITALE IOCATIONS and Incust			
	VAU1	TITLE P	rod, Analyst	DATE May 23, 200	0
SIGNED HIMLE	NUCCU				
(This space by Federal or State office use					
PERMIT NO	V	APPROVAL DATE	in the subject lease which would en	title the applicant to conduct operations thereon.	
Application approval does not warrant or CONDITIONS OF APPROVAL, IF AN	certity that the applicant holds lega	Acting ASS	istant Field Man	ager, Jill A.A.	000
(ORIA SOL) ARMANDO <u>A. LOPEZ</u>	mLan	d <u>s And Minerals</u>		000
	+0	a la structione (n Poverse Side	APPROVED FO	R 1 YEAR
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Title 18 U.S.C. Section 1001. States any false, fictitious or t	fraudulent statements or	representations as to	any matter within its jui	risdiction.	
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DISTRICT I 1625 N. French Dr., Hobbs, NM 55240 DISTRICT II

811 South First, Artesia, NM 88210

DISTRICT III 1000 Rio Brazos Rd., Aztec, NM 67410

DISTRICT IV 2040 South Pacheco, Santa Fe, NM 87505

State of New Mexico

Energy, Minerels and Natural Resources Department

Form C-102 Revised March 17, 1999

Submit to Appropriate District Office State Lease - 4 Copies Fee Lease - 3 Copies

OIL CONSERVATION DIVISION

2040 South Pacheco Santa Fe, New Mexico 87504-2088

CI AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

API Num	Number			Pool Code			Pool Name				
Property Code	,		Property Name						Well Nu	mber	
					DERRICH					3	• • • • • • • • • • • • • • • • • • • •
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					OCEAN	ENLI e Loci					<u> </u>
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LOT 14	5	10 3		<u> </u>			rent From S			WEOT	
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DERRICK FEDERAL #3 Located at 3300' FSL and 1980' FWL Section 5, Township 16 South, Range 28 East, N.M.P.M., Eddy County, New Mexico.

1.	P.O. Box 1786	W.O. Number: 0157AA - KJG #122		
D Asin	1120 N. West County Rd. Hobbs, New Mexico 88241	Survey Date: 03-30-2000	OCEAN	ENERGY
Surveys	(505) 393-7316 - Office (505) 392-3074 - Fax	Scale: 1" = 2 MILES	OCLAN	
focused on excellence in the oilfield	basinsurveys.com	Date: 03-31-2000		

APPLICATION TO DRILL

OCEAN ENERGY, INC. DERRICK FEDERAL #3 **SECTION 5** LOT 14 EDDY CO. NM T16S-R28E

In response to questions asked under Section II of Bulletin NTL-6 the following information on the above well is provided for your consideration.

- 3300' FSL & 1980 FWL Sec. 5 T16S-28E Eddy Co. NM 1. Location:
- Elevation above Sea Level: 3655' GR 2.
- Geologic name of surface formation: 3.
- 4. Drilling tools and associated equipment: Conventional rotary drilling rig using drilling mud as a circulating medium for solids removal from hole.
- 9,250' 5. Proposed drilling depth:

6.	Estimated tops of geological markers:							
0.	Oueen 1070' Cisco Ls							
	Grayburg	1400'	Cisco Sh	7895'				
	Glorietta	3090'	Strawn	8190'				
	Tubb	4440'	Morrow	8910'				
	Abo	5220'	Morrow "A"	8930'				
	Wolfcamp	6530'	Morrow "B"	8990'				

7. Possible mineral bearing formation:

Oueen	Oil	Strawn	Gas
Grayburg	Oil	Morrow	Gas
Wolfcamp	Oil	Morrow A	Gas
Cisco Ls	Oil	Morrow B	Gas

8. Casing program:

Hole size	Interval	OD of casing	Weight	Thread	Collar	Grade
36"	0-40'	20"	60	NA	NA	Conductor
17-1/2"	0-500'	13-3/8"	48	8-R	ST&C	H-40
11"	0-2000'	8-5/8"	32	8-R	ST&C	K-55
7-7/8"	0-9250'	4-1/2"	13.5	8-R	LT&C	N-80

9. Cementing and setting depth:

Cementing a	and setting depth:	here a suith Dadi miv
20"	Conductor	Set 40' of 20" conductor pipe and cement to surface with Redi-mix.
13-3/8"	Surface	Set 500' of 13-3/8" H-40, 48# ST&C csg. Cement with 400 sx of
15 5/6		Class "C" cement + 2% CaCl ₂ , circulate to surface.
8-5/8"	Intermediate	Set 2000' of 8-5/8" K55 32# LT&C csg. Cement with 600 sx of
0-3/0	Intermediate	35/65 POZ Class "C" + 6% Gel + 5% salt tail in with 400 sx of Class
		"C" cement + 2% CaCl ₂ , circulate cement to surface.
		Set 9250' of 4-1/2" 13.5# LT&C csg. Cement with 500 sx of Class
4-1/2	Production	Set 9250 014-1/2 15.5# L12C csg. Center with 500 bit of Class
		"C" 35/65 POZ + additives, tail in with 190 sx of 50/50 POZ Class
		"H" + 10% Salt + .25% Dispersant + 2% Gel. Estimate top of cement
		500' above uppermost productive interval. Cement volumes will be
		adjusted based on open-hole caliper log.

APPLICATION TO DRILL

OCEAN ENERGY, INC. DERRICK FEDERAL #3 LOT 14 SECTION 5 T16S-R28E EDDY CO. NM

- 10. <u>Pressure control equipment:</u> Exhibit "E". A Series 1500 5000-PSI working pressure B.O.P. consisting of a double ram type preventor with a bag type annular preventor. BOP unit will be hydraulically operated. Exhibit "E-1". Choke manifold and closing unit. BOP will be nippled up on 13-3/8" casing and will be operated at least once each 24 hr. period while drilling and blind rams will be operated when out of hole during trips. Flow senscr, PVT, full opening stabbing valve and upper kelly cock will be utilized from 7000' to TD. No abnormal pressure or temperature is expected while drilling
- 11. Proposed mud circulating system:

40-500'	8.4-9.0	32-36	NC	Fresh water mud use paper to control seepage add Bentunite/ Soda Ash for Viscosity.
500-2000	10.1-10.5	32-38	NC	Brine water Salt-Gel add paper to control seepage, high viscosity sweeps to clean hole.
2000-8000	8.4-8.8	32-38	NC	Fresh water use caustic soda to maintain pH @ 9.5-10.5 high viscosity sweeps to clean if
8000-9250	8.8-9.2	34-38 40-45	8-10cc 6-10 for DST	necessary. Fresh water Polymer maintain pH with Caustic Soda @ 9.5-10.5 high viscosity sweeps to clean if necessary.

Sufficient mud materials will be kept on location or available at the nearest stocking points at all times in order to combat lost circulation and unexpected kicks. In order to run DST's, open hole logs and casing the viscosity and water loss may have to be adjusted to meet these needs.

- 12. Testing, logging and casing program:
 - A. Open hole logs: Fluid caliper from 500-2000'.
 - B. CNL/Gamma Ray with caliper from TD to surface.
 - C. Dual Induction, Dual Induction, Compensated Sonic, Gamma Ray from TD to 3000'.
 - D. Cement Bond Log Gamma Ray and CCL TD to top of cement.
 - E. Mud logger on at 6000' to TD.

DST"s as warranted in Bone Spring, Atoka, and Morrow.

13. Potential hazards:

No abnormal pressures or temperatures are expected. Hydrogen Sulfide gas may be encountered; H_2S detectors will be in place to detect any presence after setting the intermediate casing. No lost circulation is expected to occur. All personal will be familiar with all aspects of safe operation of equipment being used. Estimated BHP 4200 PSI, estimated BHT 170°.

14. Anticipated starting date and duration of operation:

Road and location construction will begin after BLM approval of APD. Anticipated spud date as soon as approved. Drilling expected to take 30 days. If production casing is run an additional 30 days will be required to complete and construct surface facilities.

15. Other facets of operations:

After running casing, cased hole gamma ray cement bond and collar logs will be run from total depth over possible pay intervals. The Morrow pay will be perforated and stimulated. The well will be swab tested and potentialed as a gas well.

HYDROGEN SULFIDE DRILLING OPERATIONS PLAN

- 1. All Company and Contract personnel admitted on location must be trained by a qualified H₂S Safety instructor to the following:
 - A. Characteristics of H_2S
 - B. Physical effects and hazards
 - C. Proper use of safety equipment and life support systems.
 - D. Principle and operation of H₂S detectors, warning system and briefing areas.
 - E. Evacuation procedure, routes and first aid.
 - F. Proper use of 30-minute demand air pack.
- 2. H₂S Detection and Alarm Systems
 - A. H₂S detectors and audio alarm system to be located at bell nipple, end of blooie line (mud pit) and on derrick floor or doghouse.
- 3. Windsock and/or wind streamers
 - A. Windsock at mud pit area should be high enough to be visible.
 - B. Winsock at briefing area should be high enough to be visible.
 - C. There should be a windsock at entrance to location.
- 4. Condition Flags and signs
 - A. Warning signs on access road to location.
 - B. Flags to be displayed on sign at entrance to location. Green flag, normal safe condition. Yellow flag indicates potential pressure and danger. Red flag, danger, H₂S present in dangerous concentration. Only emergency personnel admitted to location.
- 5. Well control equipment
 - A. See exhibit "E" and "E-1"
- 6. Communication
 - A. While working under masks chalkboards will be used for communication.
 - B. Hand signals will be used where chalkboard is inappropriate.
 - C. Two-way radio will be used to communicate off location in case of emergency help is required. In most cases cellular telephoned will be available at most drilling foreman's trailer or living quarters.
- 7. Drillstem Testing
 - A. Exhausts will be watered.
 - B. Flare line will be equipped with an electric ignitor or propane pilot light in case gas reaches the surface.
 - C. If location is near any dwelling a closed D.S.T. will be performed.

- 8. Drilling contractor supervisor will be required to be familiar with the effects H₂S has on tubular goods and other mechanical equipment.
- If H₂S is encountered, mud system will be altered if necessary to maintain control of formation. A
 mud gas seperator will be brought into service along with H₂S scavengers if necessary.

SURFACE USE PLAN

OCEAN ENERGY, INC. DERRICK FEDERAL #3 LOT 14 SECTION 5 T16S-R28E EDDY CO. NM

1. Existing roads:

Area maps, Exhibit "B" is a reproduction of Eddy Co. General Highway Map. Exhibit "C" is a reproduction of a USGS Topographic Map, showing existing roads and proposed roads will be maintained in a condition equal to or better than current conditions. Any new roads will be constructed to BLM specifications.

- A. Exhibit "A" shows the proposed well site as staked.
- B. Directions to location from the Junction of US Hwy 82 and County Road 202, north on C.R. 202 approximately 3.5 miles to lease road; north on lease road approximately 8 miles to a point which lies approximately 1 mile from the proposed well location.
- C. Lay 3" pipelines and construct power lines along existing roads and pipeline R-O-W's necessary to produce this well. (w Sundry Notrice any 150)

Planned access roads:

2.

Approximately 1500' of new road will be constructed.

- A. The access road will be crowned and ditched to a 12'00" wide travel surface with a 40' right-of-way.
- B. Gradient on all roads will be less than 5.00%.
- C. No turnouts will be necessary.
- D. If needed, road will be surfaced with a minimum of 4" of caliche.
- E. Centerline for the new access road has been flagged. Earthwork will be as required by field conditions.
- F. Culverts in the access road will not be used. The road will be constructed to utilize low water crossings for drainage as required by the Topography.

3. Location of existing wells in a one-mile radius Exhibit "A-1"

AV	ater wells	None known
	isposal wells	None known
	rilling wells	None known
	roducing wells	As shown on Exhib

- E. Abandoned wells
- None known As shown on Exhibit "A-1" As shown on Exhibit "A-1"
- If, upon completion this well is a producer OCEAN ENERGY, INC. will furnish maps and/or plats showing on site facilities or off site facilities if needed. This will be accompanied with a Sundry Notice.
- Location and type of water supply: Water will be purchase locally from a commercial source and trucked over the access roads or piped in flexible lines laid on top of the ground.
- Source of construction material: If possible construction will be obtained from the excavation of drill site, if additional material is needed it will be purchased from a local source and transported over the access route as shown on Exhibit "C".

SURFACE USE PLAN

OCEAN ENERGY, INC. **DERRICK FEDERAL #3 SECTION 5** LOT 14 EDDY CO. NM T16S-R28E

7. Methods of handling waste material:

- A. Drill cuttings will be disposed of in the reserve pit.
- B. All trash junk and other waste material will be contained in trash cages or bins to prevent scattering. When the job is completed all contents will be removed and disposed of in an approved sanitary landfill.
- C. Salts remaining after completion of well will be picked up by supplier including broken sacks.
- D. Sewage from living quarters will drain into holes with a minimum depth of 10'. These holes will be covered during drilling and will be back filled upon completion. A Porta-John will be provided for the rig crews. This equipment will be properly maintained during the drilling operations and removed upon completion of the well.
- E. Remaining drilling fluids will be allowed to evaporate in the reserve pit until the pit is dry enough for breaking out. In the event that drilling fluids do not evaporate in a reasonable time they will be hauled off by transports and be disposed of at a state approved disposal facility. Later pits will be broken out to speed drying. Water produced during testing will be put in reserve pits. Any oil or condensate produced will be stored in test tanks until sold and hauled from the site.

Ancillary facilities: 8.

- A. No camps or airstrips to be constructed.
- 9. Well site layout:
 - A. Exhibit "D" shows location and rig layout.
 - B. This exhibit indicates proposed location of reserve and trash pits; and living facilities.
 - C. Mud pits in the active circulating system will be steel pits and the reserve pit is proposed to be lined.
 - D. The reserve pit is to be lined with PVC or polyethylene liner. The pit liner will be 6 mils thick. Pit liner will extend a minimum, 2'00" over the reserve pits dikes where the liner will be anchored down.
 - E. The reserve pit will be fenced on three sides with four strands of barbed wire during drilling and completion phases. The forth side will be fenced after all drilling operations have ceased. If the well is a producer, the reserve pit fence will be torn down. The reserve pit and those areas of the location not essential to production facilities will be reclaimed and seeded per BLM requirements.
- 10. Plans for restoration of surface:
 - Rehabilitation of the location and reserve pit will start in a timely manner after all drilling operations cease. The type of reclamation will depend on whether the well is a producer or a dry hole.

OCEAN ENERGY, INC. DERRICK FEDERAL #3 LOT 14 SECTION 5 T16S-R28E EDDY CO. NM

However, in either event, the reserve pit will be allowed to dry properly, and fluid removed and disposed of in accordance with Article 7.B as previously noted. The pit area will then be leveled and contoured to conform to the original and surrounding area. Drainage systems, if any, will be reshaped to the original configuration with provisions made to alleviate erosion. These may need to be modified in certain circumstances to prevent inundation of the location's pad and surface facilities. After the area has been shaped and contoured, topsoil from the spoil pile will be placed over the disturbed area to the extent possible. Revegetation procedures will comply with BLM standards.

If the well is a dry hole, the pad and road area will be recountered to match the existing terrain. Topsoil will be spread to the extent possible. Revegetation will comply with BLM standards.

Should the well be a producer, the previously noted procedures will apply to those areas, which are not required for production facilities.

11. Other information:

- A. Topography consists of sand dunes, sandy soils with native grasses consisting Sand Sage, Scrub Oak Snakeweed and mesquite. Drainage is westerly toward the Querecho Plains.
- B. The surface is owned by The Bureau of Land Management, U.S. Department of Interior.
- C. An archaeological survey will be conducted and the results will be submitted to the Bureau of Land Management, Carlsbad, New Mexico.
- D. No dwellings within one mile of location.

12. Operators representative:

Field representative to contact regarding compliance with Application to Drill and surface Use Plan is:

Before APD is approved:

OCEAN ENERGY, INC. 4305 N. Garfield, Suite 200A Midland, Texas 79705 John Stinson Office phone 915-683-3003 Before APD is approved:

OCEAN ENERGY, INC. 4305 N. Garfield, Suite 200A Midland, Texas 79705 John Stinson Office phone 915-683-3003

13. Certification:

I herby 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 this plan are to the best of my knowledge, true and correct; and that the work associated with the operations proposed herein will be performed by OCEAN ENERGY, INC., its contractors/subcontractors in conformity with this plan and the terms and the conditions under which it is approved. This statement is subject to the provision of U.S.C. 1001 for filing a false statement.

Hollez DATE: May 23, 2000 MIRI NAME: Janice Holley TITLE: Production Anal



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RIG LAYOUT PLAT



1500 Series 5000 PSI WP

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EXHIBIT "E" SKETCH OF B.O.P. TO BE USED ON

OCEAN ENERGY, INC. DERRICK FEDERAL #3 UNIT "14" SECTION 5 T-16S-R28E EDDY CO. NM







EXHIBIT "E-1" CHOKE MANIFOLD & CLOSING UNIT

OCEAN ENERGY, INC. DERRICK FEDERAL #3 UNIT "14" SECTION 5 T-16S-R28E EDDY CO. NM DISTRICT I 1625 N. French Dr., Hobbs, NM 68240 DISTRICT II 811 South First, Artesia, NM 88210

DISTRICT III 1000 Rio Brazos Rd., Aztec, NM 87410

DISTRICT IV 2040 South Pacheco, Santa Fe, NM 87505

API Number

State of New Mexico

Energy, Minerals and Natural Resources Department

Form C-102 Revised March 17, 1999

Submit to Appropriate District Office State Lease - 4 Copies Fee Lease - 3 Copies

OIL CONSERVATION DIVISION

2040 South Pacheco

Santa Fe, New Mexico 87504-2088

CI AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT Pool Code Pool Name

Property	Code				Property Nam	1e		Well Nu	Well Number	
				D	ERRICK FED	ERAL		3		
OGRID N	0.				Operator Nam	16		Elevat	ion	
					OCEAN ENE	RGY		365	5'	
	Surface Location									
UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County	
LOT 14	5	16 S	28 E		3300	SOUTH	1980	WEST	EDDY	
	Bottom Hole Location If Different From Surface									
UL or lot No.	Section	Township	ship Range Lot Idn Feet from the North/South line Feet from the East				East/West line	County		
Dedicated Acre	s Joint o	r Infill Cor	nsolidation (Code Or	der No.					

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 12	LOT 11	– – – – – – – – – – – – – – – – – – –	+ 	OPERATOR CERTIFICATION I hereby certify the the information contained herein is true and complete to the best of my knowledge and belief. MANA Signature
LOT 13 	LOT 14 3651.0' 3663.8' 	LOT 15	LOT 16	Janice Holley Printed Name <u>FLOULATION AMALINE</u> Title <u>5-23-00</u> Date SURVEYOR CERTIFICATION
	3300'	~	//* 	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 supervison and that the same is true and correct to the best of my bellef. March 30, 2000 Date Surveys Signature & Stat of Professional Survey MEXA 7977 Certificate W. AGARY L. March 3 7977 BASIN SURVEYS



DERRICK FEDERAL #3 Located at 3300' FSL and 1980' FWL Section 5, Township 16 South, Range 28 East, N.M.P.M., Eddy County, New Mexico.

	P.O. Box 1786	W.O. Number: 0157AA - KJG #122		
SASI	1120 N. West County Rd. Hobbs, New Mexico 88241	Survey Date: 03-30-2000	OCEAN	ENERGY
Surveys	(505) 393-7316 - Office (505) 392-3074 - Fax	Scale: 1" = 2000'	OCLAIT	LITLICOT
focused on excellence	basinsurveys.com	Date: 03-31-2000		

