C187



United States Department of the Interior

BUREAU OF LAND MANAGEMENT Roswell District Office P. O. Box 1397 Roswell, New Mexico 88201

IN REPLY REFER TO: RECEIVED BY FEB 24 1984 O. C. D. Artesia, office

Belco Development Corporation 10,000 Old Katy Road, Suite 100 Houston, Texas 77055

Dear Sir:

Your application for Permit to Drill well No. 15 James Ranch Unit in the $SW_4^1SW_4^1$ sec. 8, surface location, and SE_4^1 sec. 7, bottom hole location, T. 23 S., R. 31 E., Eddy County, New Mexico, lease NM-02887-B, to a depth of 15,000 feet to test the Los Medanos Morrow-Atoka formation in the oil-potash area, is hereby approved as amended by stipulations attached to the application.

One copy of the application is returned herewith. Please notify the Bureau of Land Management office checked on the attached special stipulation in sufficient time for a representative to witness all cementing operations.

Sincerely yours,

3/ Hickard Bastin

Earl R. Cunningham District Manager

Enclosure

cc: NMOCD (2) BLM-Carlsbad Minerals Roswell District Files NMSO

	. * .			-			C1-87
Form 9-331 C			NM OI	L CONSUBALT IN FRA	LOATE	• Form app:	roved.
(May 1963)	UNIT	ED STATES	ATRM63	ビーレジー (Other instructi	ions on		reau No. 42-R1425.
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DI b. TYPE OF WELL		DEEPEN		PLUG BAC	κ 🗋 💡	James Rand	
OIL WELL	GAS WELL X OTHER	ROSIT	SING	LE MULTIPLI ZONE	E	8. FABM OR LEASE	NAME
2. NAME OF OPERATOR			,			James &	carets.
Belco De	evelopment Corpor	ation 🖌 👘				9. WELL NO.	
	")ld Katy Road, Su	ite 100.#m	ous con	TELEROS BY 7055		10. MELD AND POO	L, OR WILDCAT
4. LOCATION OF WELL (Report location clearly and	in accordance wit			Y.	Los Medano	os Morrow-Atol
NCL 660 FSL	& 100 FWL Section	n 8		B 24 1984		11. SEC., T., R., M., AND SURVEY O	OR BLK. B AREA
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	& 1980 FEL Section		T OFFICE*	O. C. V.		Sec 8, T-23- 12. COUNTY OR PAR	
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PROPERTY OR LEASE	rlg. unit line, if any) 660	' BHL		322.71		322.71	
18. DISTANCE FROM PR TO NEAREST WELL,	DRILLING, COMPLETED.)50'		OSED DEPTH		RY OR CABLE TOOLS	
OR APPLIED FOR, ON 2	THIS LEASE, FT. 40		1	15,000' TVD	RC	1 22. APPBOX. DATI	E WORK WILL START*
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26"	20" New	94#		600'	75(ATE
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	elaware 4069'; Wo		49'; S	trawn 12834; A	toka _	13169'; Morr	'ow 14074'
	a, Strawn and Mor		NO.		51		
	gn: new casing as : 3 BOP 5000#; 1			ram. 1 blind r	am fo	r shallow de	pths & deeper
depths. Tes	ted upon installa	ition & per	iodica	11y tested; op	perate	d daily. (se	e schematic)
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	' non-dispersed t Rotating stripper		w into	vrmediate: lowe	n Kol	ly cock valv	
	and choke manifo						
	estings as requir	-		•			
. Possible hi Anticipated	gh pressure in Wo	olfcamp, St	rawn,	Atoka and Morr	row.	to TD	
IN ABOVE SPACE DESCR	startup Feb. 10, 1 THE FROPOSED PROGRAM: If to drill or deepen direction:	proposal is to dee	epen of pli	back, give data on pl subsurface locations an	resent pro	ductive zone and pro-	oposed new productive depths. Give blowout
zone. If proposal is preventer program, if		iny, give pertinen					
24.							
SIGNED	Esland	TI	_{ITLE} Divj	sion Drilling	Engin	eer DATE]/	/18/84
(This space for F	ederal or State office use)	<u></u>					
				APPROYAL, DATE			
PERMIT NO.	S/Richard Bastin		As	sociate		FFB	23 1984
APPROVED BY		TI	ITLE	Diatrict Mana	<u>€</u> 04 .	DATE	
CONDITIONS OF APP	ROVAL, IF ANY : This	Approva	ıl doe	s not constit	ute	APPROVAL SUB	JECT TU
-	-	ority to c					IREMENTS AND
	wei L			On Reverse Side		SPECIAL STIPU	
				•		ATTACHED	

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TTOM HOLE LOCATION

NEW MEXICO OIL CONSERVATION COMMISSION WELL LOCATION AND ACREAGE DEDICATION PLAT

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Form C-102 Supersedes C-128 Effective 1-1-65

All d	istances must be from	the outer boundaries of	the Section.		
Operator BELCO DEVELOPMENT CORPORATION	L	JAMES RANCH UN	IT	Well :10.	
Unit Letter Section Towns	nip	Range	County		
Actual Footage Location of Well: BHL	235	- <u>31E</u>	E E	ddy	
660 feet from the Sout			et from the Ea	st line	
Ground Level Elev. Producing Formation 3311-64 Atoka-Morre		ol/Los Medanos Los Medanos		Dedicated Acreage: 322.71	Acres
1. Outline the acreage dedicated to	/	1			
2. If more than one lease is dedica interest and royalty).	ated to the well. c	outline each and ide	entify the owne	ership thereof (both as to w	orking
3. If more than one lease of differen dated by communitization, unitizat	-		have the inter	ests of all owners been co	onsoli-
🗶 Yes 🗌 No 🛛 If answer i	s "yes," type of c	onsolidation	Communitiz	ation Agreement	
If answer is "no," list the owners	and tract descrip	tions which have a	ctually been c	onsolidated. (Use reverse	side of
this form if necessary.) No allowable will be assigned to th	ne well until all in	terests have been	consolidated (hy communitization uniti	
forced-pooling, or otherwise) or unt				-	
sion.	`	,		<u> </u>	
	•	- 1		CERTIFICATION	
B.H.L.				I hereby certify that the informat	ion con-
James Ranch	Unit #####	- 1	11	tained herein is true and complex	
	· <u></u>	1		best of my knowledge and belief.	
		1		pellante	
	- +		- <u> </u> No	me P. E. Ilavia	
				Division Drilling En	aineer
			1 1	ompany :	gincer
				<u>Selco Development Co</u>	rp.
		1		<u>2-16-84</u>	
zannannannannan		mmhmmm	Emm		
SW/4	SE/4		i i	I hereby certify that the well	location
Conoco Inc., 100%	NM-02887-	$Prot_{B}$ Co., 1		shown on this plat was plotted fi	om field
(162.71 Ac)	(160.0 Ac			notes of actual surveys made b	
		1		under my supervision, and that t is true and correct to the bes	
SW/4 Conoco Inc., 100% NM-02887-A (162.71 Ac)		1		knowledge and belief.	ar or my
	Proposed 660 FSL &			ate Surveyed	
1	0000 / 02 0		3 📥		
		1	N	egistered Professional Engineer d/or Land Surveyor	
		ł		•	
		unnus un turn		ertificate No.	
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S FACE LOCATION

NEW MEXICO OIL CONSERVATION COMMISSION WELL LOCATION AND ACREAGE DEDICATION PLAT

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Form C-102 Supersedes C-128 Effective 1-1-65

	All distances must be	from the outer boundario	es of the Section.	
Operator		Lease		Well No.
BELCO DEVELOPMENT		James Ra	anch Unit	15
Unit Letter Section	Township T-23-S	Range R-31-E	County Eddy	
Actual Footage Location of Well: 660 feet from the SO	uth line on	100	feet from the West	line
Ground Level Elev: Producing For 3311		Pool		Dedicated Acreage: Acres
 Outline the acreage dedica If more than one lease is interest and royalty). 	-			
 3. If more than one lease of d dated by communitization, to date by community of the dated by communitization, to dated by communitization, to dated by community of the dated by communitization, to dated by communitization, to dated by community of the dated by communitization, to dated by communitization, to dated by communitization, to dated by communitization, to date dated by communitization, to date dated by communitization, to date date dated by communitization, to date date dated by communitization, to date date date date date date date date	nitization, force-poo nswer is "yes," type owners and tract de ed to the well until a	oling. etc? of consolidation scriptions which hav all interests have be	ve actually been cons sen consolidated (by	ts of all owners been consoli- solidated. (Use reverse side of communitization, unitization, been approved by the Commis-
				CERTIFICATION
		1 1 1	tair	ereby certify that the information con- red herein is true and complete to the t of my knowledge and belief.
			Nome Posit	
		l l	Comp	·
		1	Date	
			sha not und is	when by certify that the well location when on this plat was plotted from field es of actual surveys made by me or ler my supervision, and thut the same true and correct to the cost of my wiledge and belief.
2			Jai Regis	Surveyed Nuary 10, 1984 stered Professioned Engineer or Lond Surveyor
560' 330 660 '90 1320 1650 19	80 2310 2640 2	900 1500 1000		<u>up D. Boswell</u> utare No. 6689





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APPLICATION FOR DRILLING

Belco Development Corporation James Ranch #15 100'FWL & 660' FSL, Section 8 (SL) T-23-S, R-31-E Eddy County, New Mexico

In conjunction with Form 9-331C, Application for Permit to Drill subject well, Belco Development Corporation submits the following eleven items of pertinent information in accordance with USGS requirements:

1. The geologic surface formation is Alluvium, mainly sand dunes.

2. The estimated tops of geologic markers are as follows:

Delaware	4069'
Bone Springs	7944 '
Wolfcamp	11149'
Strawn	12834 '
Atoka	1 3169'
Morrow	14074 '

3. The estimated depths at which anticipated water, oil or gas formations are expected to be encountered:

Water	-	Approximately	245 feet	
Oil or gas	-	Strawn: 12800	to 12900'	
-		Atoka-Morrow:	12900 to	14500'

- 4. Proposed Casing Program: See Form 9-331C.
- 5. Pressure Control Equipment: See Form 9-331C.
- 6. Mud Program: See Form 9-331C.
- 7. Auxiliary Equipment: See Exhibit "D".
- 8. Testing, Logging and Coring Programs:

Drill stem tests (as needed) in Wolfcamp, Atoka & Morrow.

Logging: Mud logging unit from 4000' to TD. Electric Log Program at 12100' & at TD:

- a. Neutron Porosity Log
- b. Dual Induction Laterolog
- c. Proximity Log-Microlog
- 9. Abnormal pressures are anticipated below 12100'.
- 10. Anticipated starting date: As soon as possible.
- 11. The detailed casing program is as follows:

Casing	-				
Size	Depth (MD) (Ft.)	Length (Feet)	Weight (#/Ft.)	Grade	<u>Conn.</u>
20"	0-600	600'	94	H-40	BUTC
13-3/8"	0-25 00 2500-4000	2500 ' 1500'	61 68	K-55 S-80	ST&C ST&C
7-5/8"	0-4000 4000-11950	2000' 7950'	33.70 39	N-80 N-80	BUTC LT&C
5"	11750-14500	2750'	23.08	N-80	FJ

A. Both 20" and 13-3/8" casing will be cemented to surface.

B. Bottom ±4000' of 7-5/8" casing will be cemented.

C. 5" liner will be cemented from T.D. to liner hanger and liner top tested to 5000# after drilling out cement.

James Ranch Unit # 15 660 FSL & 100 FWL Sec 8, T-23-S, R-31-E Eddy County, NM Lease: New Mexico 02887

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BUR, OF LOVE MONT Roswell, Matrict

The proposed wellsite is approximately 26 miles southeast of Carlsbad, New Mexico, and can be reached by exiting from State Highway 128 approximately 11 miles east of the junction of State Highways 31 and 128. Travel then less than one mile due East. (This is shown on Exhibit "A" and Exhibit "B" and Exhibit "F").

- <u>EXISTING ROADS</u>: Access and existing roads are shown on Exhibit "A". In addition, Exhibit "B" and "C" also illustrate proximity access. Exhibit "B" is the 1939 Nash Draw USGS topographic quadrangle to a scale of 1:62,500; Exhibit "C" is a field map.
- 2. <u>PROPOSED ROAD:</u> New Mexico Archeological Services, Inc. has flagged the approach road to the location. Please see Exhibits "F" and "C" for details.

Cut and Fill: Anticipating very little compacted caliche and no cuts are expected.

Culverts: One exiting Hwy 128.

Cattleguards, One Gates, Etc.

- 3. <u>EXISTING WELLS</u>: This proposed gas well is located within the existing Los Medanos Atoka and Morrow Pools.
- 4. PRODUCTION, GATHERING, TREATING & STORAGE FACILITIES:

Tank Battery: Tank battery site, as shown on Exhibit "E", in the event of a successful well.

Flow Lines: Proposed flow lines are shown on Exhibit "E".

- 5. <u>WATER SUPPLY</u>: Belco plans to acquire water from commercial services available to the area or from the rancher near by.
- 6. <u>SOURCE OF CONSTRUCTION MATERIALS</u>: Caliche for construction of the new entry road and for surfacing the proposed wellsite pad will be obtained from existing open supplies located on Sec. 1 about 1½ miles west of the proposed location.
- 7. METHODS OF HANDLING WASTE DISPOSAL:

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Drill cuttings will be disposed of in the drilling pits.

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Drilling fluids will be allowed to evaporate in the drilling pits until pits are dry.

Any produced water will be collected in tanks & hauled away. Any oil produced during tests will be stored in test tanks until sold.

Trash containers will be provided around the drilling rig during drilling and completion procedures. Trash, waste paper, garbage, and junk will be buried in a separate trash pit, as shown on Exhibit "E", and covered with a minimum of 27 inches of dirt.

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ANCILLARY FACILITIES: No camps, airstrips, etc. will be constructed. 8.

WELLSITE LAYOUT: Exhibit "E" shows the dimensions and the relative locations of 9. the well pad, mud pits, reserve pit, and trash pit with respect to the well.

350' X 250; approximately 1000' X 700' flagged out for archaeo-Mat Size: logical survey.

The proposed drillsite pad will be leveled and filled as needed. Cut & Fill:

The base will be surfaced with six inches of compact caliche. Surfaced:

155' X 200' pit lined with plastic. Reserve Pit:

Cleared Buffer No buffer area is to be cleared; however, area around well mat Area: may be used for turn-around and/or storage.

- PLANS FOR RESTORATION OF THE SURFACE: After completion of drilling and/or com-10. pletion operations, all equipment and other material not needed for operations will be removed. Pits will be filled and location cleaned of all trash and junk as soon as practical or buried with at least 27" of cover. Any unguarded pits containing fluids will be fenced until they are filled. After abandonment of the well, the well pad and all un-needed access roads will be ripped to promote revegatation and the well site returned to a condition close to original.
- OTHER INFORMATION: 11.

Land surface consists of very low relief, flat topography, con-Topography: sisting mainly of sand dunes (Los Medanos).

Sand Soil:

Few grasses, some sage, and yucca Vegetation:

None observed Wildlife:

Ponds & Streams: No fresh water in vicinity of the location.

Residents & Other

Structures: _____The James Ranch buildings are located approximately 1 mile NW.

A few water wells are located in the general area. Water Wells:

Miscellaneous grazing. Land Use:

Sign identifying and locating well will be maintained at drill-Well Sign: sight commencing with the spudding of the well.

OPERATOR'S REPRESENTATIVE: Field personnel who can be contacted concerning com-12. pliance of this Surface Use Plan consists of:

George Scott, 411 Petroleum Building, Midland, TX 79701 - (915) 683-6366.

13. CERTIFICATION:

· · · ·

I hereby certify that I, or persons under my direct supervision, have inspected the proposed drillsite and access route; that I am familiar with the conditions which presently exist; that the statements made in this plat are, to the best of my know-ledge, true and correct; and that the work associated with the operations proposed herein will be performed by BELCO DEVELOPMENT CORPORATION and it's contractors and sub-contractors in conformity with this Plan and the terms and conditions under which it is approved. A copy of this Plan will be posted at the wellsite during the drilling of the well for reference by all contractors and sub-contractors.

pzglaina P. E. Ilavia

BELCO DEVELOPMENT CORPORATION

Division Drilling Engineer

BELCO DEVELOPMENT CORPORATION

James Ranch 15 Eddy Co., NM

DRILLING PROGRAM SUMMARY

1. 30" conductor is to be set prior to moving in the drilling rig.

 $1 \le 1$

- Drill 26" hole to 600'+. Run 20" casing and cement to surface with 750 sxs light weight cement. Nipple up casing head and BOP's. Test casing to 600#.
- 3. Drill 17½" hole to 4000'+. (100' below last salt stringer). Cement 13-3/8", 61 & 68# casing with 2400 sxs Class C "Thickset', and tail in with 400 sxs Class C + ¼ #/sx Flocele. Run Texas Pattern Guide Shoe and a float collar. WOC 12 hrs.
- 4. NU casing spool and BOP's. Drill cement inside casing to float collar. Test casing to 1000#. Drill cement and 5' of formation. A 9-7/8" hole is to be drilled to next casing point.
- 5. Drill 9-7/8" hole to 8430'. Pull out of hole running multishot survey. Run gyro survey inside 13-3/8" casing & tie the two surveys together.
- 6. Kick off the well due West using a 2° bent sub and a mud motor. Build angle at the rate of $1\frac{1}{2}^{\circ}/100!$ to achieve a maximum angle of 19° 49'. Run a stiff BHA to maintain the angle from 9,660' to TD.
- 7. Drill to 12100'+ or 50-100' into top of Lower Wolfcamp.
- Run electric logs as recommended prior to running casing. Run a multishot survey & tie into the last survey.
- Run 7-5/8",33.7&39# N-80 casing equipped with float shoe and float collar. Space out 20 centralizers on bottom 18 joints. Cement with 1000 sx Pozmix and tail in with 200 sxs Class C. Add retarder and other additives as per cement company recommendations.
- Drill cement to float collar. Test casing to 3000#. Drill shoe and 10' of formation. Test formation to 12.5 #/gal equivalent mud weight.
- 11. Drill 6½" hole to 15000 '+ . Run logs as recommended. Prior to running casing run multishot survey from TD to last casing shoe depth.
- 12. If log evaluations indicate commercial quantities of Hydrocarbon, run 5" liner and hang the liner inside 7-5/8" using a mechanical liner hanger, 15' BPR and tie-back extension.
- 13. Cement liner using 400 sxs of Class C with additives as recommended. Pull 5 stands and reverse out excess cement.

-41 M, 124 C, S

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EXHIBIT "C"



FIELD MAP







James Ranch Unit #15 660 FSL & 100 FWL Sec. 8, T-23-S, R-31-E Eddy Co., NM NM-02887



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EXHIBIT "G"



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NMAS New Mexico Archaeological Services, Inc.

P. O. Box 1341 Carlsbad, New Mexico 88220 (505) 887-7646

14 January 1984

Reconnaissance Excavation Analysis Explanation Curation

> Mr. Phil E. Ilavia BELCO DEVELOPMENT CORPORATION 10000 Old Katy Road Suite 100 Houston, Texas 77055

Dear Mr. Ilavia:

Enclosed please find NMAS' Archaeological Clearance Report for BELCO DEVELOPMENT CORPORATION's proposed James Ranch Unit Well No. 15 and its associated access road in Eddy County, New Mexico. No cultural resources were recorded during this reconnaissance; therefore, NMAS is <u>suggesting</u> clearance for this project.

If you have any questions pertaining to this report, please call my office. Thank you for asking NMAS to do this reconnaissance.

Yours sincerely, hell

Dr. J. Loring Haskell Pricipal Investigator

Enclosure

cc: Mr. Thomas Zale, BLM, Carlsbad Mr. Ray Foster, Minerals Management Services, Hobbs Mr. Thomas W. Merlan, SHPO, Santa Fe Mr. Curtis Schaafsma, Laboratory of Anthropology, Santa Fe

as

Archaeological Clearance Report

for

BELCO DEVELOPMENT CORPORATION

James Ranch Unit Well No. 15

Prepared

By

Dr. J. Loring Haskell

Submitted

By

Dr. J. Loring Haskell Principal Investigator New Mexico Archaeological Services, Inc. Carlsbad, New Mexico

14 January 1984

Permit No. 82-NM-376

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ABSTRACT

New Mexico Archaeological Services, Inc., representing BELCO DEVELOPMENT CORPORATION, Midland, undertook an archaeological reconnaissance of Bureau of Land Management lands scheduled to be impacted by the construction of a drill location and access road. The proposed work will be situated in Sections 8, 7, and 18, T23S, R31E, NMPM, Eddy County, New Mexico. No cultural resources were recorded during this reconnaissance; therefore, NMAS is <u>suggesting</u> clearance for BELCO DEVELOPMENT CORPORATION's proposed work. Section 8, T23S, R31E, NMPM, Eddy County, NM

Thus it will be situated in the:

SWZSWZ, Section 8, T23S, R31E, NMPM, Eddy County, NM

The associated access road, flagged by NMAS, will measure approximately 20 X 2400 ft (Actual Area Surveyed 2.75 Acres) and is situated in the:

NW\2NE\2, Section 18, T23S, R31E, NMPM, Eddy County, NM NE\2NE\2, Section 18, T23S, R31E, NMPM, Eddy County, NM SE\2SE\2, Section 7, T23S, R31E, NMPM, Eddy County, NM SW\2SW\2, Section 8, T23S, R31E, NMPM, Eddy County, NM

Map Reference: USGS NASH DRAW QUADRANGLE, 15 Minute Series, 1939.

Terrain

BELCO DEVELOPMENT CORPORATION'S proposed location will be situated on an aeolian-mantled landform whose surface has been worked into the characteristic coppice-dune/deflation basin topography of southeastern New Mexico. Areal soils, dominated by the sand separate, are composed of sandy loams and loamy sands. Surficial deposits underlying the proposed location are of lacustrine origin. Elsewhere, <u>croute calcaire</u> is present on a sporadic basis. Taxonomically, soil individuals are assignable to the Typic Torripsamment subgroup.

Floristics

Major plants of the floral assemblage's overstory are <u>Prosopis</u> juliflora, <u>Quercus havardii</u> and <u>Yucca glauca</u>. Forbs, while browned and desiccated, include <u>Gutierrezia sarothrae</u>, <u>Croton sp.</u>, <u>Calylophus</u> sp. and <u>Oenothera</u> spp. The Gramineae is represented locally by <u>Aristida</u> sp., <u>Andropogon spp.</u>, <u>Muhlenbergia arenaceous and Sporobolus flexuosus</u>. <u>Cultural Resources</u>

No cultural properties were recorded during the course of this

reconnaissance. (NMAS did observe several burned- and fire-cracked caliche cobbles in a deflation basin at a point 220 ft north-northwest of the center of the location.) Their absence is due to the overall lack of siliceous lithic material and sandstone in the immediate vicinity as well as a shortage of potable water. To the west, cherts occur and were exploited by the native peoples as at NMAS 5612 and NMAS 5613. Land usage was brief at any one time and was highly transitory.

Recommendations

NMAS recommends clearance for BELCO DEVELOPMENT CORPORATION's proposed James Ranch Unit Well No. 15 and its access road and <u>suggests</u> that work-related activities proceed in accordance with company plans. Clearance, of course, is granted by the Bureau of Land Management. If cultural resources are encountered during construction, the BLM and NMAS should be notified immediately. Duned settings are notorious for covering and uncovering cultural properties.



BASS ENTERPRISES PRODUCTION CO.

FIRST CITY BANK TOWER 201 MAIN ST. FORT WORTH, TEXAS 76102 817/390-8400

January 12, 1984

BELCO DEVELOPMENT CORPORATION 411 Petroleum Building Midland, Texas 79701

Attention: Mr. Don Peters

RE: James Ranch Unit Well No. 15 Surface Location 660' FSL & 100' FWL, Section 8, T23S-R31E Bottom Hole Location 660' FSL & 1980' FEL, Section 7, T23S-R31E Eddy County, New Mexico Bass Lease No. 4940-Federal

Gentlemen:

Pursuant to your letter dated December 27, 1983, proposing the drilling of a 14,800' Morrow test to be drilled at the referenced location, Bass Enterprises Production Co. and Perry R. Bass, Trustee hereby elect to participate in the drilling of the referenced well for their collective 16.526690% working interest. This election is made pursuant to the terms and provisions of that certain Farmout Agreement dated August 18, 1971. Accordingly, the AFE we received with your December 27th letter will be executed and returned to you in the very near future. As we discussed, we prefer to delay processing the Operating Agreement we received until such time as Continental advises whether they will be participating, and if so, if they will agree to this Operating Agreement. Additionally, our management prohibits entering into operating agreements which do not provide an AFE limitation. For this purpose, we enclose an AFE limitiation which we request you incorporate into the Operating Agreement.

With regard to Continental's interest, in the event Continental elects to farmout their interest, Bass Enterprises Production Co. and Perry R. Bass, Trustee would like the opportunity to elect whether to participate for one-third (1/3) of Continental's interest.

Mr. Don Peters Belco Development Corporation January 12, 1984 Page 2

The August 18, 1971 Farmout Agreement between Bass and Belco does not cover Section 8, T23S-R31E, which is the surface location for this well. Accordingly, Bass Enterprises Production Co. and Perry R. Bass, Trustee hereby authorize Belco Development Corporation to locate the surface location 100' FWL and 660' FSL in Section 8, T23S-R31E, Eddy County, New Mexico, for the purpose of drilling a directional well to a bottom hole location of that shown in the reference above. In this regard you may utilize this letter to provide proof to all interested parties that you have obtained permission to locate the surface location 8.

It would be appreciated if you would advise us at your earliest opportunity whether Continental will be participating in this well.

Sincerely, JENS HANSEN Division Landman

JH:dw Enclosure