



#### ENERGY, MINERALS AND NATURAL RESOURCES DEPARTMENT

#### **OIL CONSERVATION DIVISION**

2040 S. PACHECO SANTA FE, NEW MEXICO 87505 (505) 827-7131

March 17, 1997

Burlington Resources 3535 East 30th Street Farmington, New Mexico 87499-4289 Attention: Peggy Bradfield

Administrative Order TX-266

#### Dear Mr. Prichard:

Reference is made to your request for an exception to the tubing setting requirements as contained in Division Rule 107 (j) for the below-named wells.

Pursuant to the authority granted me by Rule 107 (d) (4), you are hereby authorized to make tubingless completions in the following wells:

#### Well Name and Number:

Dellard #2	Ballard Pictured Cliffs	P 10-26-09	20 045 05002
Ballard #2			30-045-05902
Ballard #5	Ballard Pictured Cliffs	P 14-26-09	30-045-05823
Crandell #1	Ballard Pictured Cliffs	M 11-26-09	30-045-05909
Douthit #3	W. Kutz Pictured Cliffs	P 26-27-11	30-045-06213
Harrington #3	S. Blanco Pictured Cliffs	P 31-27-07	30-045-06848
Hubbell SRC #2	Fulcher Kutz Pictured Cliffs	I 30-28-10	30-045-07141
Huerfanito Unit #64	Ballard Pictured Cliffs	D 12-26-09	30-045-05962
Huerfanito Unit #69	Ballard Pictured Cliffs	D 10-26-09	30-045-05968
Luthy A #1	S. Blanco Pictured Cliffs	H 01-26-08	30-045-06040
McManus #1	Ballard Pictured Cliffs	P 30-26-08	30-045-05654
McManus #9	Ballard Pictured Cliffs	M 33-26-08	30-045-05604
Newman A #6	Fulcher Kutz Pictured Cliffs	J 19-28-10	30-045-07312
Quitzau #1	Ballard Pictured Cliffs	D 03-25-08	30-045-05565
Quitzau #2	Ballard Pictured Cliffs	F 11-25-08	30-045-05500
Quitzau #3	Ballard Pictured Cliffs	P 11-25-08	30-045-05469
Quitzau #4	Ballard Pictured Cliffs	O 03-25-08	30-045-05532
Quitzau #5	Ballard Pictured Cliffs	M 03-25-08	30-045-05536
Turner Hughes #10	S. Blanco Pictured Cliffs	B 11-27-08	30-045-06710
White Kutz #3	Fulcher Kutz Pictured Cliffs	B 20-28-10	30-045-07364
Wilson A #1	Ballard Pictured Cliffs	D 32-26-08	30-045-05630
Wilson A #2	Ballard Pictured Cliffs	K 32-26-08	30-045-05611

#### Conditions:

The operator shall place adequate cement prior to running 3 ½" casing, or alternatively at the time of plugging and abandonment to insure that the Ojo Alamo Formation is completely sealed off with cement. The methodology to be employed shall be approved by the division's Aztec office prior to commencement of any remedial work.

The Division reserves the right to rescind this authority in the event that waste appears to be resulting

Sincerely,

therefrom.

William J. LeMay

Director

WJL/RJ/kv

cc: Oil Conservation Division - Aztec

### BURLINGTON RESOURCES

SAN JUAN DIVISION

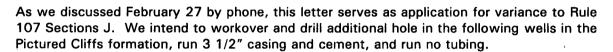
March 3, 1997

New Mexico Oil Conservation Division 2040 South Pacheco Street Santa Fe, New Mexico 87505

Att:

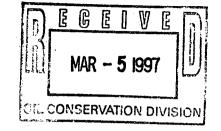
Mr. Roy Johnson

Dear Roy:



Ballard #2	Ballard Pictured Cliffs	P 10-26-09	30-045-05902
Ballard #5	Ballard Pictured Cliffs	P 14-26-09	30-045-05823
Crandell #1	Ballard Pictured Cliffs	M 11-26-09	30-045-05909
Douthit #3	W.Kutz Pictured Cliffs	P 26-27-11	30-045-06213
Harrington #3	S.Blanco Pictured Cliffs	P 31-27-07	30-045-06848
Hubbell SRC #2	Fulcher Kutz Pictured Cliffs	I 30-28-10	30-045-07141
Huerfanito Unit #64	Ballard Pictured Cliffs	D 12-26-09	30-045-05962
Huerfanito Unit #69	Ballard Pictured Cliffs	D 10-26-09	30-045-05968
Luthy A #1	S.Blanco Pictured Cliffs	H 01-26-08	30-045-06040
Luthy #2	S.Blanco Pictured Cliffs	K 01-26-08	30-045-06025
McManus #1	Ballard Pictured Cliffs	P 30-26-08	30-045-05654
McManus #9	Ballard Pictured Cliffs	M 33-26-08	30-045-05604
Newman A #6	Fulcher Kutz Pictured Cliffs	J 19-28-10	30-045-07312
Quitzau #1	Ballard Pictured Cliffs	D 03-25-08	30-045-05565
Quitzau #2	Ballard Pictured Cliffs	F 11-25-08	30-045-05500
Quitzau #3	Ballard Pictured Cliffs	P 11-25-08	30-045-05469
Quitzau #4	Ballard Pictured Cliffs	O 03-25-08	30-045-05532
Quitzau #5	Ballard Pictured Cliffs	M 03-25-08	30-045-05536
Turner Hughes #10	S.Blanco Pictured Cliffs	B 11-27-08	30-045-06710
White Kutz #3	Fulcher Kutz Pictured Cliffs	B 20-28-10	30-045-07364
Wilson A #1	Ballard Pictured Cliffs	D 32-26-08	30-045-05630
Wilson A #2	Ballard Pictured Cliffs	K 32-26-08	30-045-05611

These tubingless completions are desirable as they allow Burlington to economically produce reserves from the tight, low pressure Pictured Cliffs formation. Significant cost savings are realized using this method. The 3 1/2" casing string will allow the wells to produce at a higher rate than can be realized through smaller tubulars, and also carry less risk during any subsequent workover operations.



New Mexico Oil Conservation Division Page Two March 3, 1997 Tubingless Completion Application

All the listed wells meet the following criteria:

- are in proven fields
- are less than 5000' total depth
- do not have corrosive or pressure problems
- are not dual completions
- will not produce any liquids or condensate (dry gas only)

Attached is a copy of the C102 well location plat and wellbore schematic for each well. Please let me know if you require any further information for these wells.

Sincerely,

**BURLINGTON RESOURCES** 

Peggy Bradfield

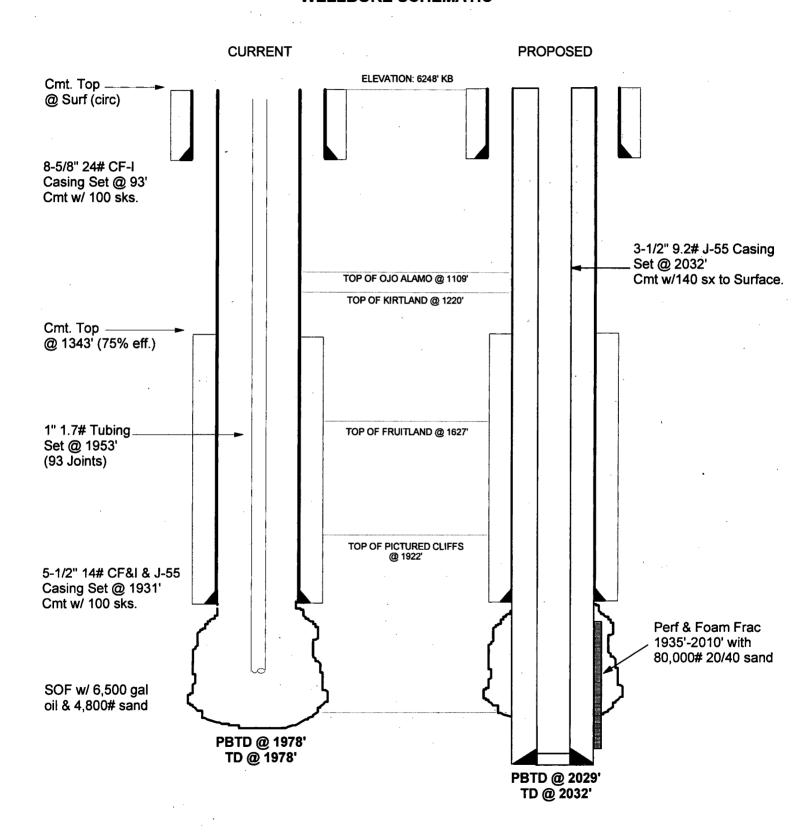
Regulatory/Compliance Administrator

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**NMOCD Aztec District Office** 

### Ballard #2

### Section 10P, T-26-N, R-9-W San Juan County, NM



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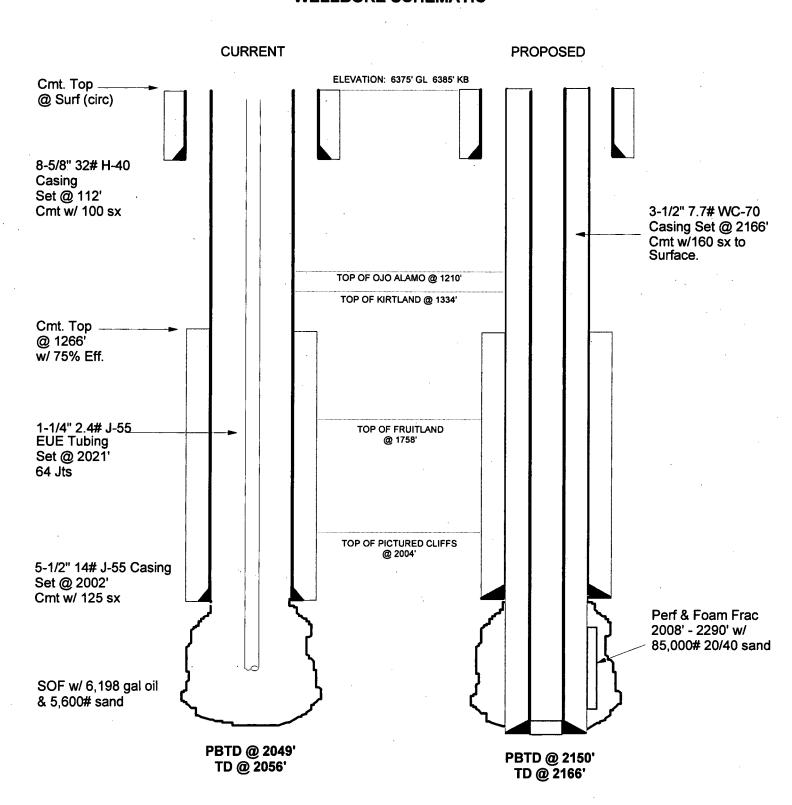
Scale-4 inches equal 1 mile.

This is to certify that the above plat was prepared from field notes of actual surveys made by me or under my supervision and that the same are true and correct to the best of my knowledge and belief.

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Seal: 10	Registered Professional Engineer and Land Surveyor.	Charles J. Finkles N. Mex. Reg. No. 1302
Surveyed	11 May	19 <b>54</b>

### Ballard #5

### Section 14P, T-26-N, R-9-W San Juan County, NM



## NEW MEXICO OIL CONSERVATION COMMISSION. Santa Fe, New Mexico

### REQUEST FOR (OIL) - (GAS) ALLOWABLE

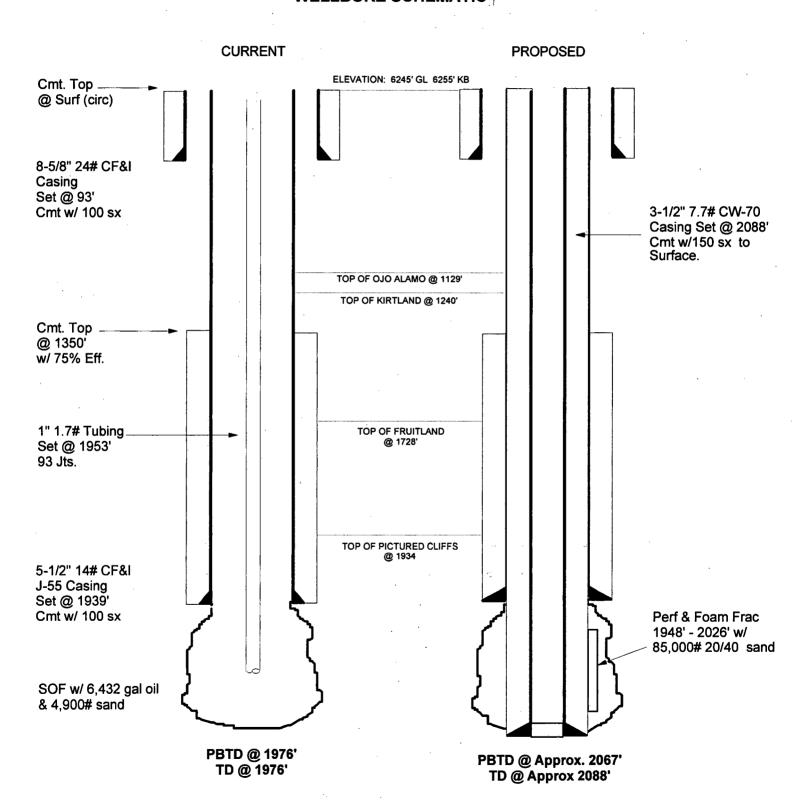
New Well

This form shall be submitted by the operator before an initial allowable will be assigned to any completed Oil or Gas well. Form C-104 is to be submitted in QUADRUPLICATE to the same District Office to which Form C-101 was sent. The allowable will be assigned effective 7:00 A.M. on date of completion or recompletion, provided this form is filed during calendar month of completion or recompletion. The completion date shall be that date in the case of an oil well when oil is delivered into the stock tanks. Gas must be reported on 15.025 psia at 60° Fahrenheit.

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### Crandell #1

### Section 11M, T-26-N, R-9-W San Juan County, NM



### OIL CONSERVATION COMMISSION

Operator	Lease	Well No
U. Glenn Turner	Crandell Fed	eral 1-11
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Name of Producing Formation Pictured Cliff Pool Wildcat

No. Acres Dedicated to the Well 160
Indicate land status and show ownership Federal

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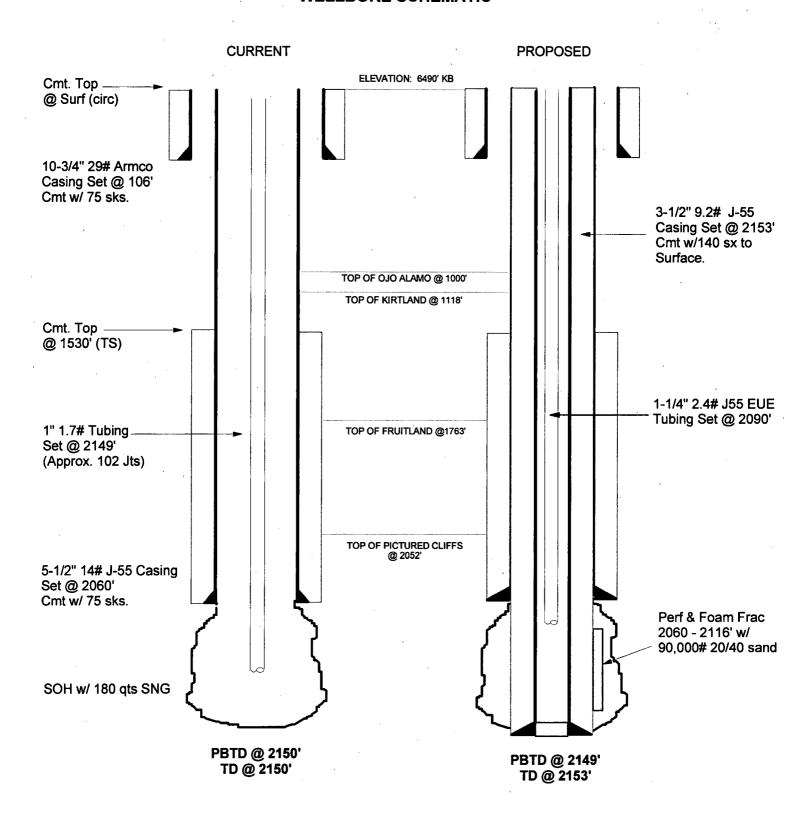
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### Douthit #3

### Section 26P, T-27-N, R-11-W San Juan County, NM

### WEST KUTZ PICTURED CLIFFS WELLBORE SCHEMATIC



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U. S. GEOLOGICAL SURVEY
FARMINGTON, N. M.

Scale-4 inches equals 1 mile.

This is to certify that the above plat was prepared from field notes of actual surveys made by me or under my supervision and that the same are true and correct to the best of my knowledge and belief.

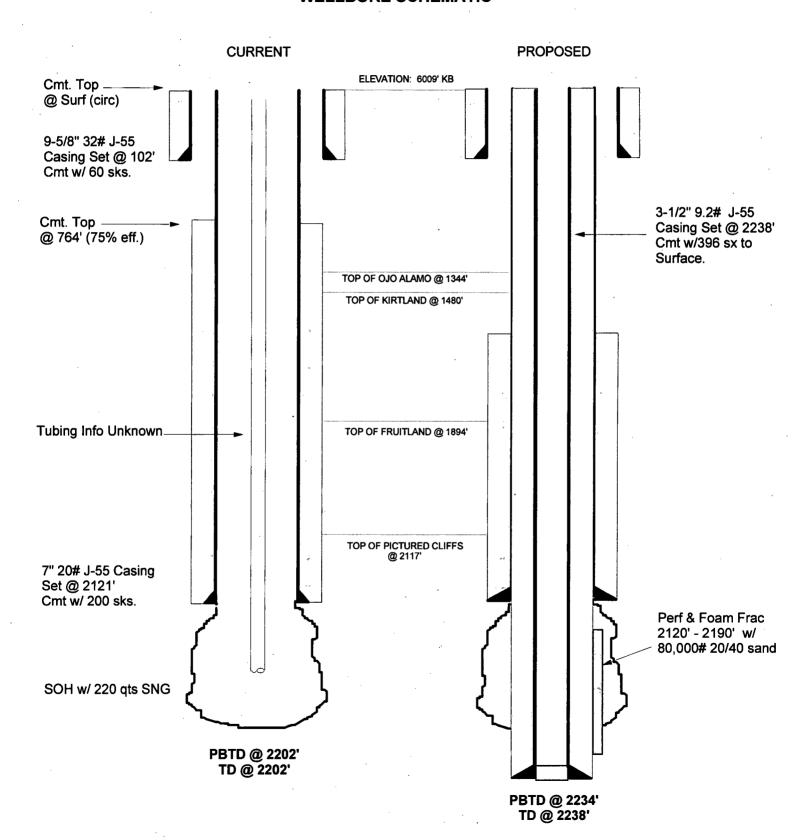
Registered Professional Charles J. Finklea
Engineer and Land Surveyor. N. Mex. Reg. No. 1302

November

### Harrington #3

#### Section 31P, T-27-N, R-7-W Rio Arriba County, NM

### SOUTH BLANCO PICTURED CLIFFS WELLBORE SCHEMATIC



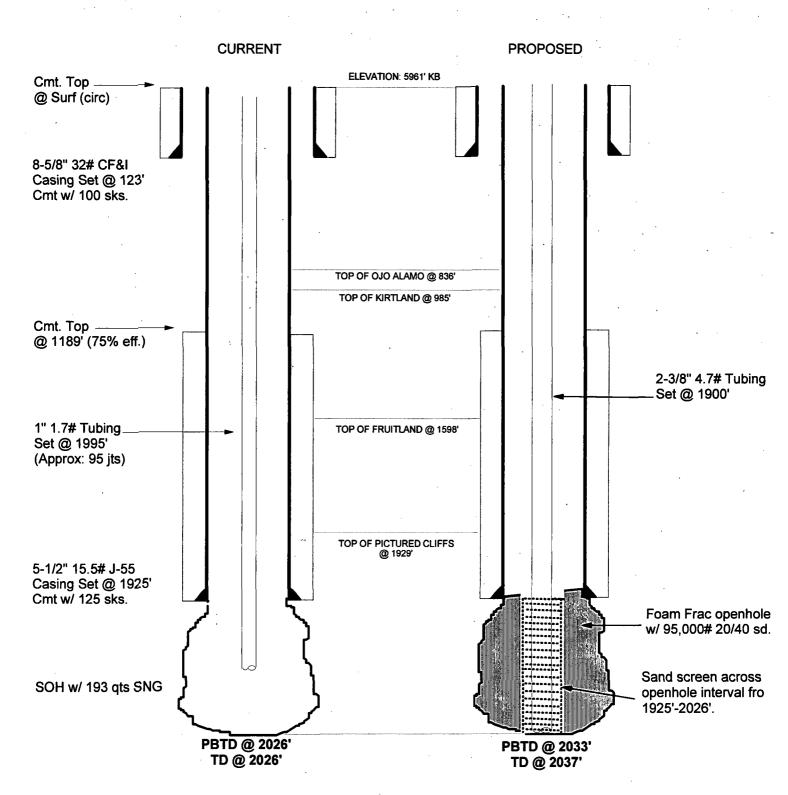
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### **Hubbell SRC #2**

### Section 30I, T-28-N, R-10-W San Juan County, NM

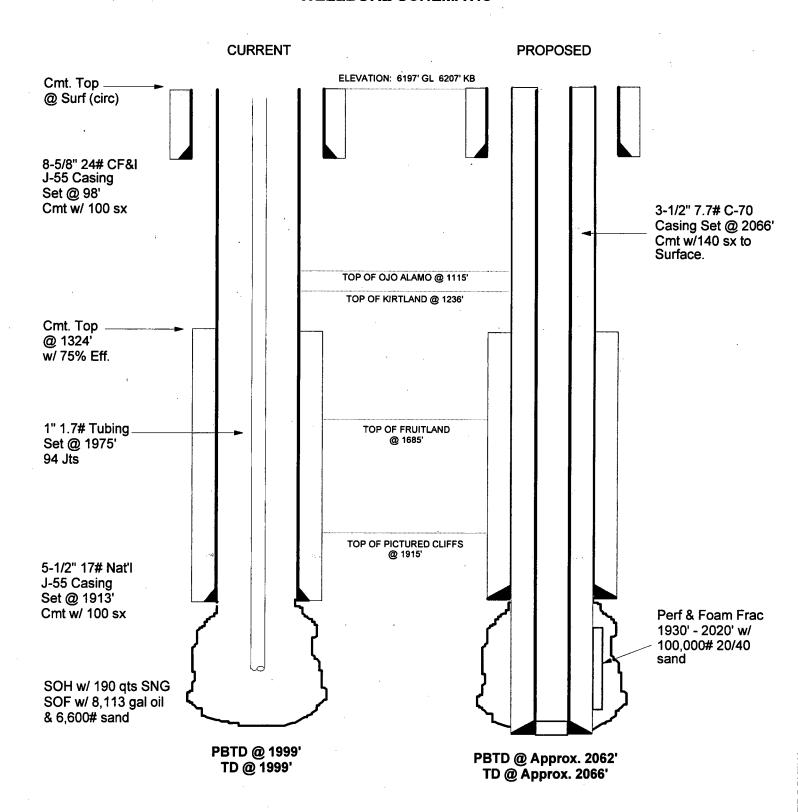
### FULCHER-KUTZ PICTURED CLIFFS WELLBORE SCHEMATIC



Lease Well No.  Sec. 30 T. 28 N. , RIO W., N.M.P.M.  Location 1700' from the South line and 1040' from the East line.  San Juan County New Mexico	Scale—4 inches equals 1 mile.  This is to certify that the above plat was prepared from field notes of actual surveys made by me or under my supervision and that the	<i>:</i>	Con	pany.	Son	uther	n II	nior	ı Ga	s_C	omi	an	7		•	1 18	SRC	<u></u>
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### **Huerfanito Unit #64**

### Section 12D, T-26-N, R-9-W San Juan County, NM



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COMPANY	J. Glenn Tur	ner			
Well Name & N	lo.	refered to b		Lease No	
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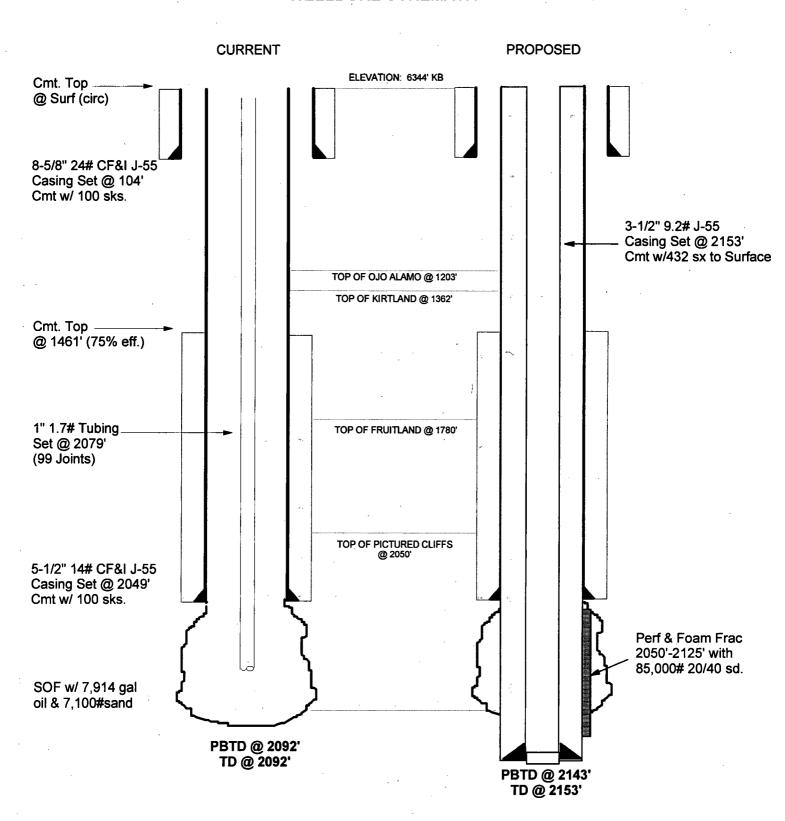
Registered Professional
Engineer and Land Surveyor.
Ernest V. Echohawk
N. Nex. Reg. No. 1545

Seriffington: New Mexico

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#### **Huerfanito Unit #69**

Section 10D, T-26-N, R-9-W San Juan County, NM



Scale - 4 inches equals 1 mile

Surveyed October 26 1954.
This is to certify that the above plat was prepared from field notes of actual surveys made by

This is to certify that the above plat was prepared from field notes of actual surveys made by me or under my supervision and that the same are true and correct to the best of my knowledge and belief:

Registered Professional

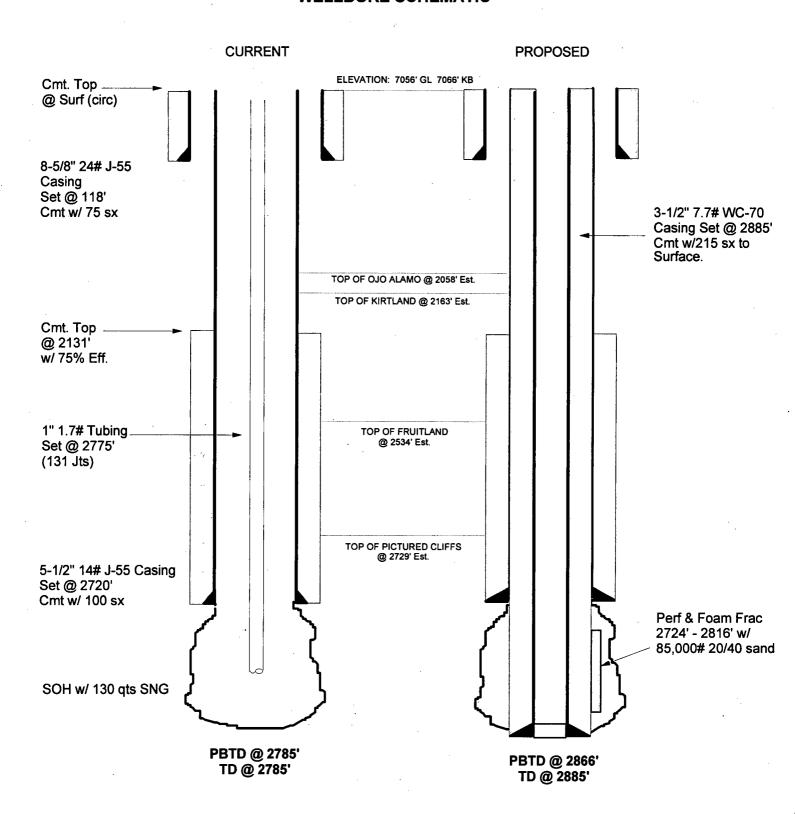
Fragment and I and Signature

Engineer and Land Surveyor.
Ernest V. Echohavk
N. Mex. Reg. No. 1545

Formagions New Mexico

### Quitzau #3

### Section 11P, T-25-N, R-8-W San Juan County, NM

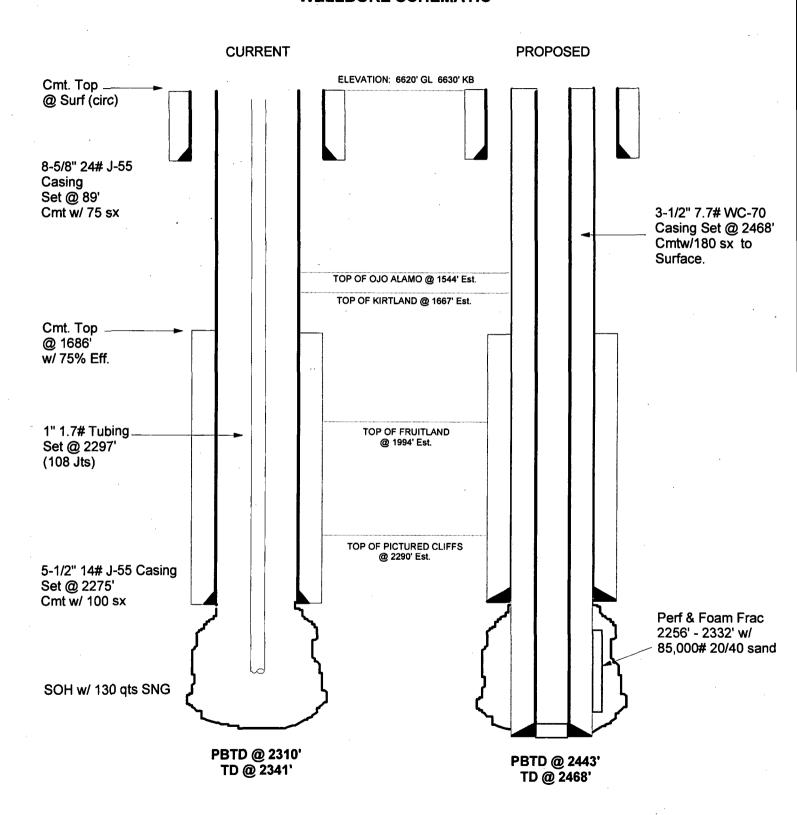


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### Quitzau #4

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### Section 3 O, T-25-N, R-8-W San Juan County, NM



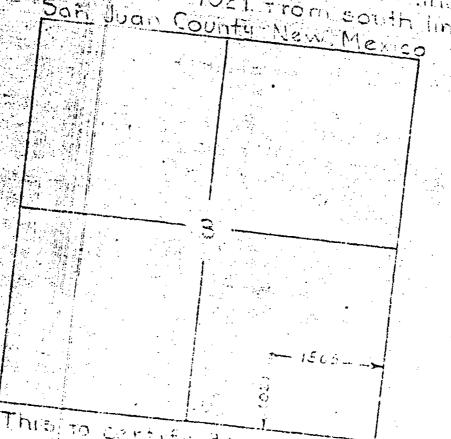
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SOLOGICAL SURVEY
NEW MEXICO

Company Benso Moning
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Section 5 T25 N Roy NAP

Location 1565 From South Ine

Son Juan County New Mexico



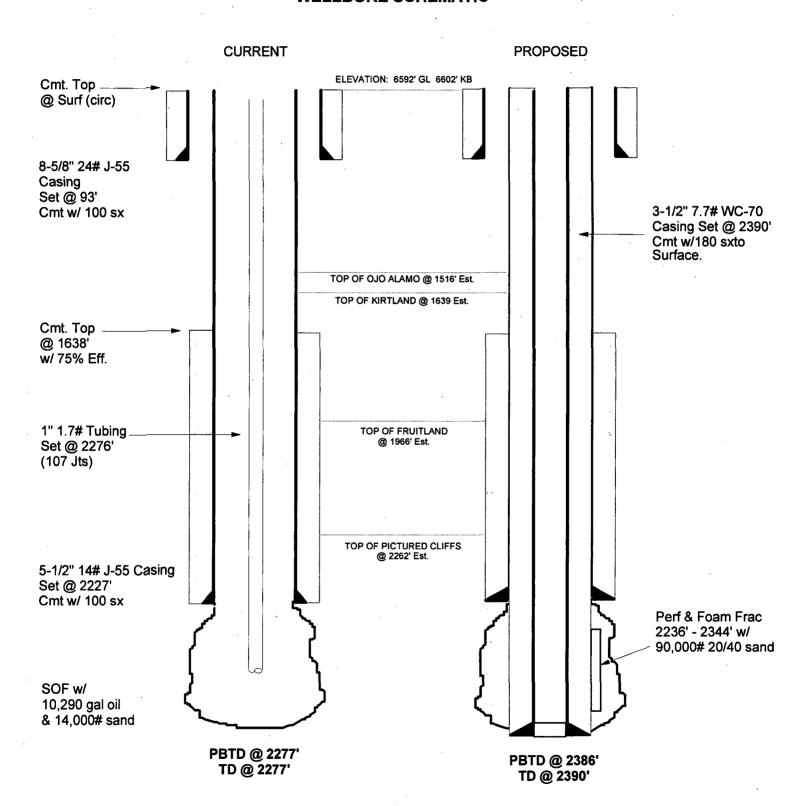
Was prescred from the above plat actival surveys made by me and correct to the best

Rabert : Madday f.
Resistered Professional
Engineer : Land Surveyor
New Mex Reg No. Marze

Fiel: 9:19:54

### Quitzau #5

### Section 3 M, T-25-N, R-8-W San Juan County, NM



# NEW LEXICO OIL CONSERVATION COMMISSION Santa Fe, New Mexico

### REQUEST FOR (OIL) - (GAS) ALLOWABLE

New Well Recompletion

This form shall be submitted by the operator before an initial allowable will be assigned to any completed Oil or Gas well. Form C-104 is to be submitted in QUADRUPLICATE to the same District Office to which Form C-101 was sent. The allowable will be assigned effective 7:00 A.M. on date of completion or recompletion, provided this form is filed during calendar month of completion or recompletion. The completion date shall be that date in the case of an oil well when oil is delivered into the stock tanks. Gas must be reported on 15.025 psia at 60° Fahrenheit.

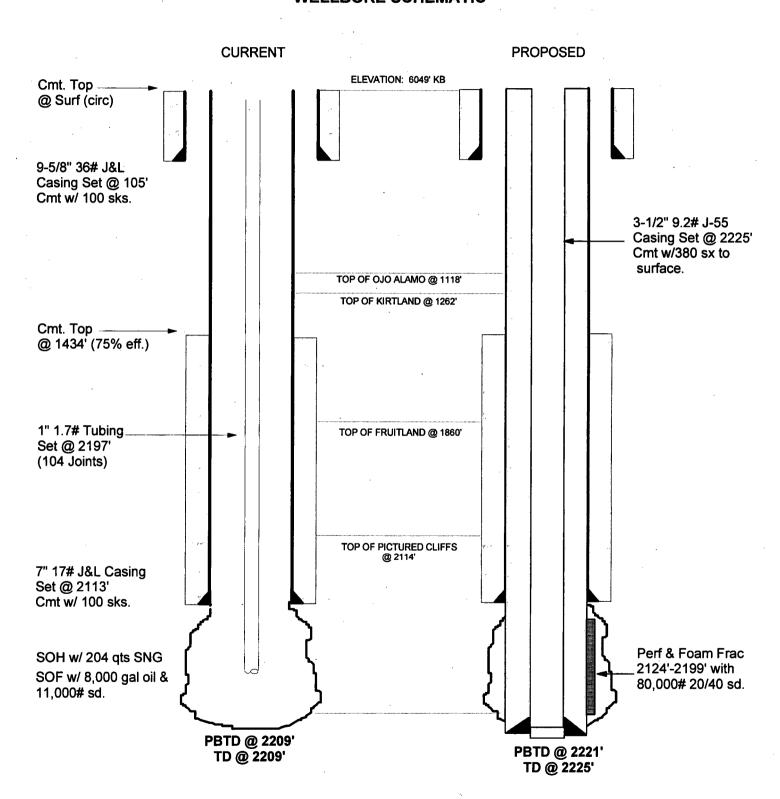
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		in active of the committee		
(Company or Operator)	(Lease)	, Well No	in.	1/4,
er Till at til state og til sta	200 R	7	Balland	Pool
(Unit)				大学型 100 mm 100 mm
	County. Date Spudded	<b>-0-5</b>	ate Completed	5-35-E
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	Elevation	Total Depth		P.B
<b>《新闻》</b>				
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	Casing Performens :	1		Or
	Depth to Casing shoe	Prod. String		
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	Natural Prod. Test			BOPD
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	Size choke in inches			
	Date first oil run to tan	ks or gas to Transmiss	ion system:	ting approval
			AND	
	Transporter taking Oil	or Gas:	Tricari i montan mariani i mar	
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Remarks				
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Approved		***************************************	ompany or Operator	
and the second s			The second	
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By:		Title		ne well to:
Title		Send Comm		
		Name	best 2. Gren	
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Address.

### **Turner Hughes #10**

### Section 11B, T-27-N, R-9-W San Juan County, NM

### SOUTH BLANCO PICTURED CLIFFS WELLBORE SCHEMATIC





### REQUEST FOR (OIL) - (GAS) ALLOWABLE

New Well Recompletion

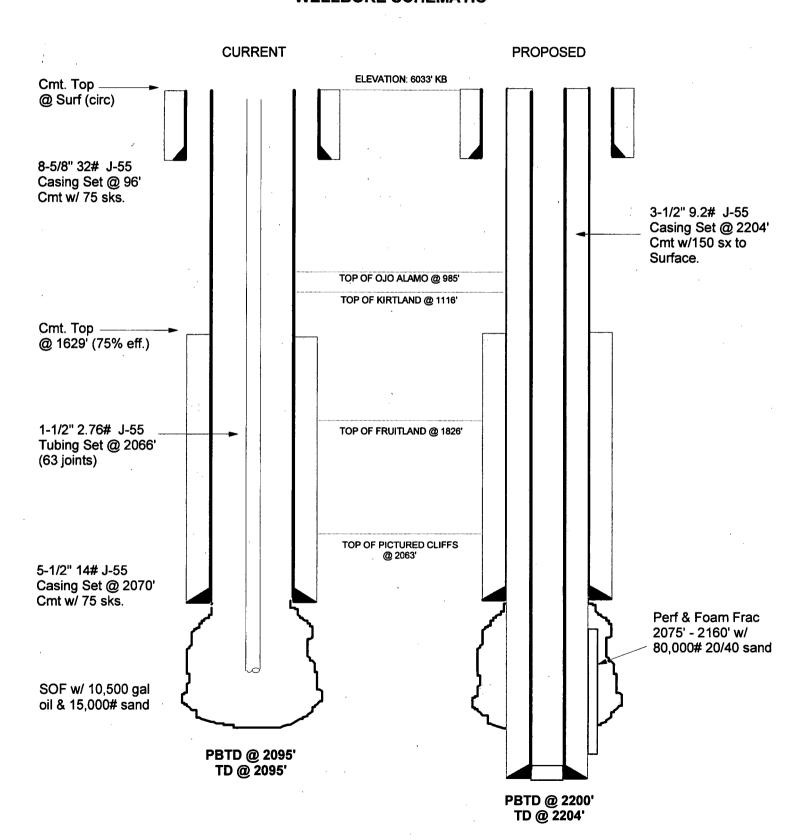
This form shall be submitted by the operator before an initial allowable will be assigned to any completed Oil or Gas well. Form C-104 is to be submitted in QUADRUPLICATE to the same District Office to which Form C-101 was sent. The allowable will be assigned effective 7:00 A.M. on date of completion or recompletion, provided this form is filed during calendar month of completion or recompletion. The completion date shall be that date in the case of an oil well when oil is delivered into the stock tanks. Gas must be reported on 15.025 psia at 60° Fahrenheit.

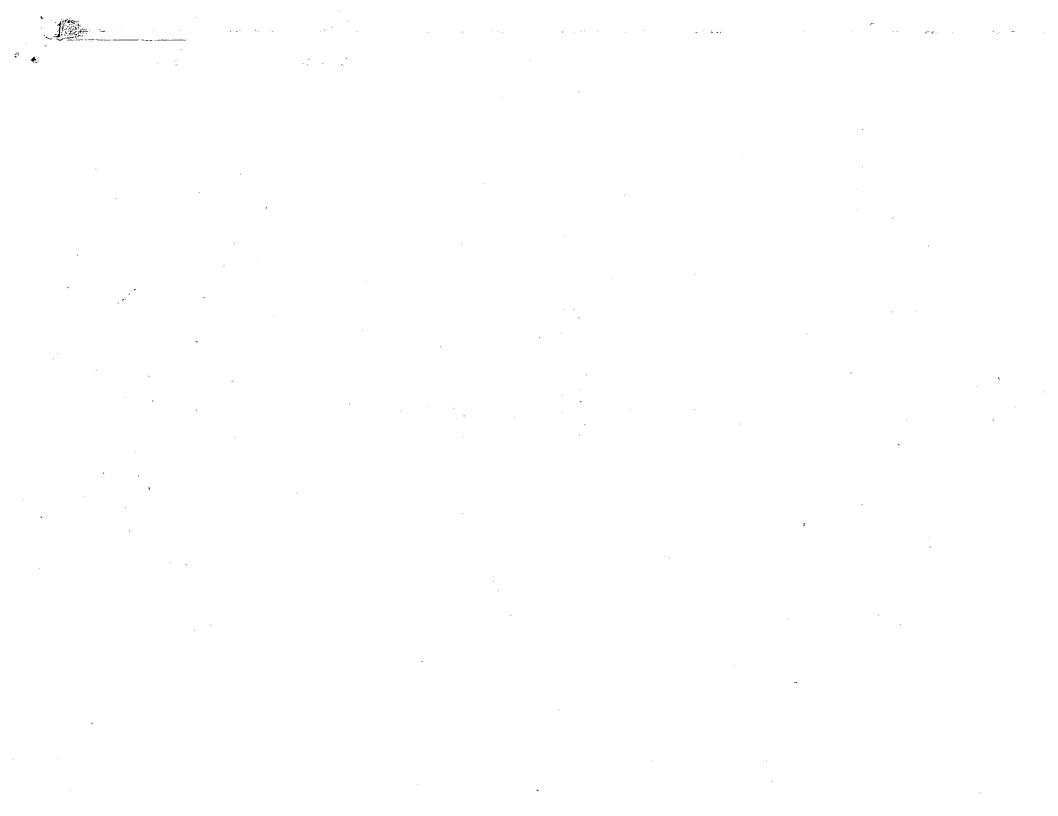
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		(Place)	· ·	Date)
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(Company or Operator)	(Lease)	Well No. 1	, in	
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(Unit)		化氯化甲基甲基甲基甲基甲基甲基甲基甲基甲基甲基甲基甲基甲基甲基甲基甲基甲基甲基甲	The same of the sa	
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7 213	TC: I			
	Date first oil run to ta	anks or gas to Transmission		
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I hereby certify that the info	rmation given above is true	and complete to the best o	f my knowledge.	
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	The state of the s	10 (Com	pany or Operator)	
OIL CONSERVATION		By: / Tell o	cherdo 1	
Original signed by			(Signature) A.E. Soerh	erde,
John J. Abendschan		Title Vice-Pro		
le Oil and Gas Inspector	Dist. # <b>3.</b>	Send Commun	ications regarding well to	·
le	J. 30. # 3.	Name Byrd Cil Cor		49 61 41
		11th F1-line	r Petroleum Bldg.	Territoria
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### White Kutz #3

#### Section 20B, T-28-N, R-10-W San Juan County, NM

### FULCHER KUTZ PICTURED CLIFFS WELLBORE SCHEMATIC







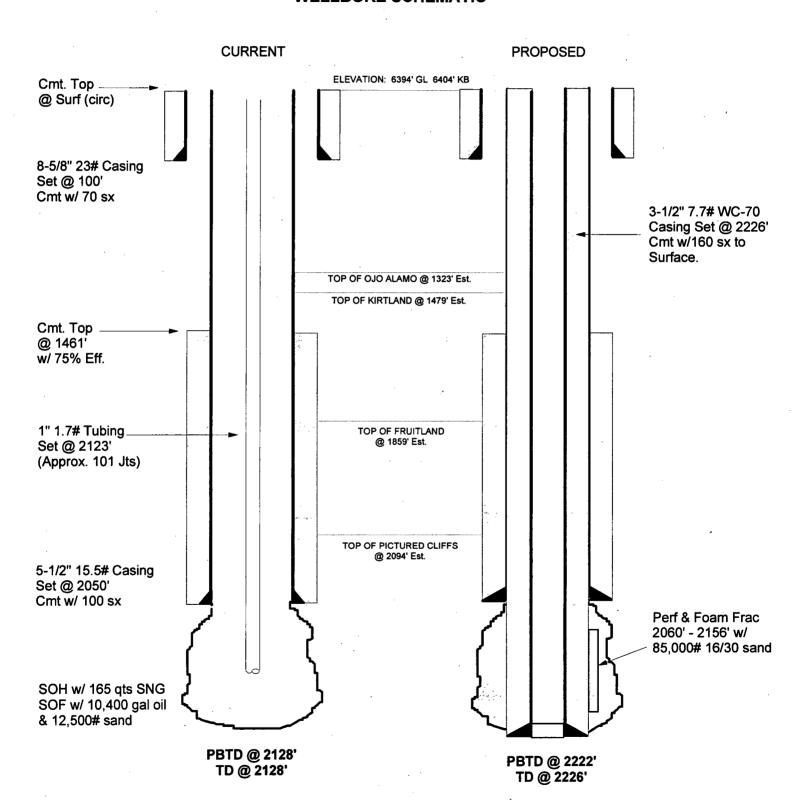
Form C-128

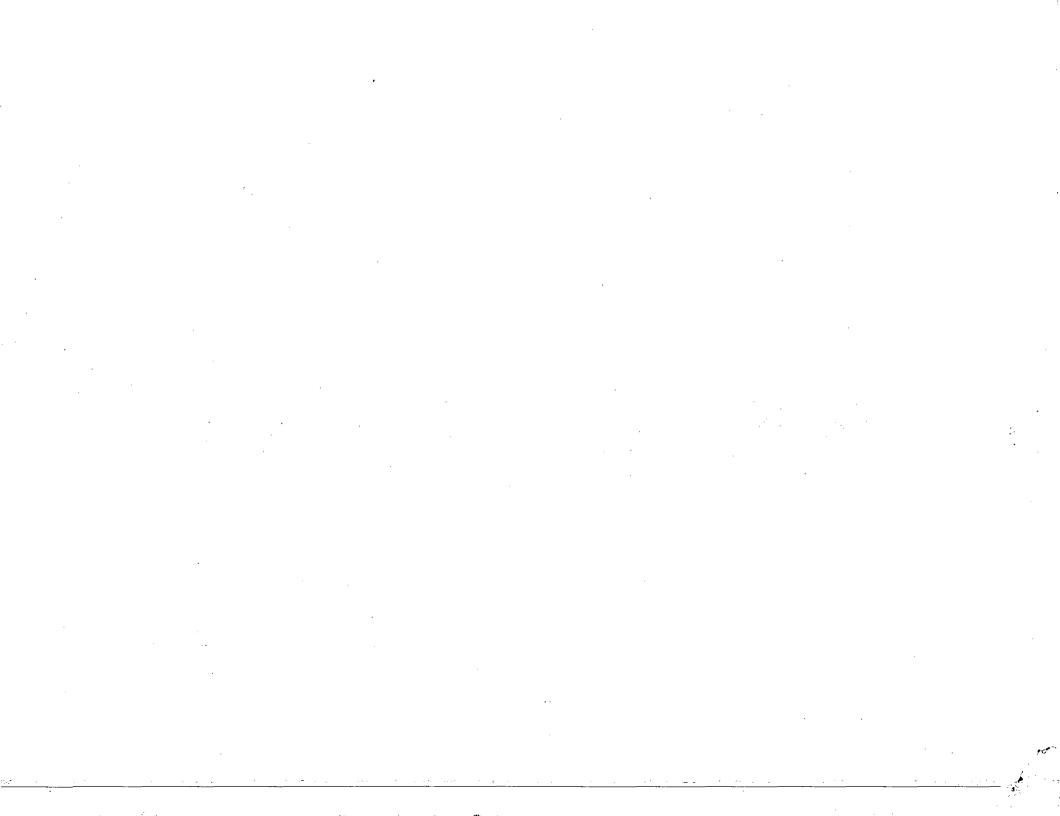
Well Location and/or Gas Proration Plat

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	Juan	County.	New Mexico.	G. L. Elevation_	6023
	tory.				
Name of Produ	cing Formation	on Picture	d CliffPoolf	ulaher Kuffedica	ited Acreage /60
	(Note: All d	listances mus	t be from outer	boundaries of Sec	tion)
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Representing	the second		****	and the second s	al Engineer and/or
Address			Land	l Surveyor	- *** **

### Wilson A #1

### Section 32D, T-26-N, R-8-W San Juan County, NM



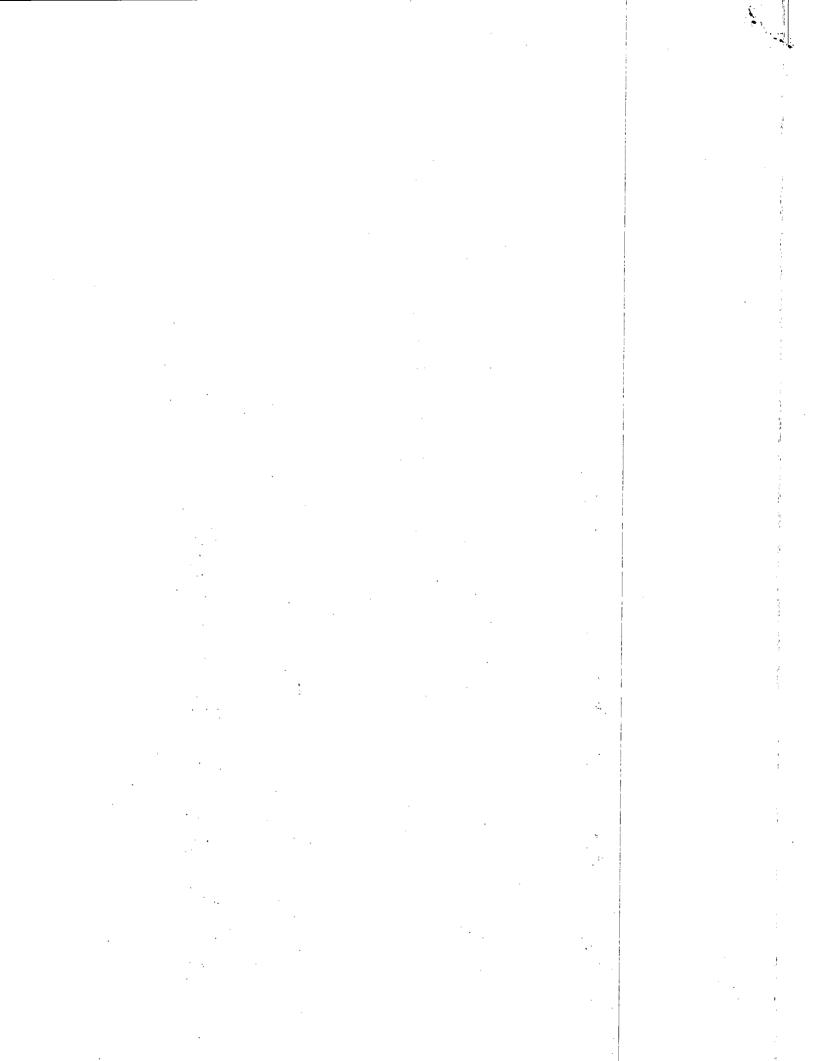


### SAN JUAN COUNTY NEW MEXICO

### BALLARD POOL

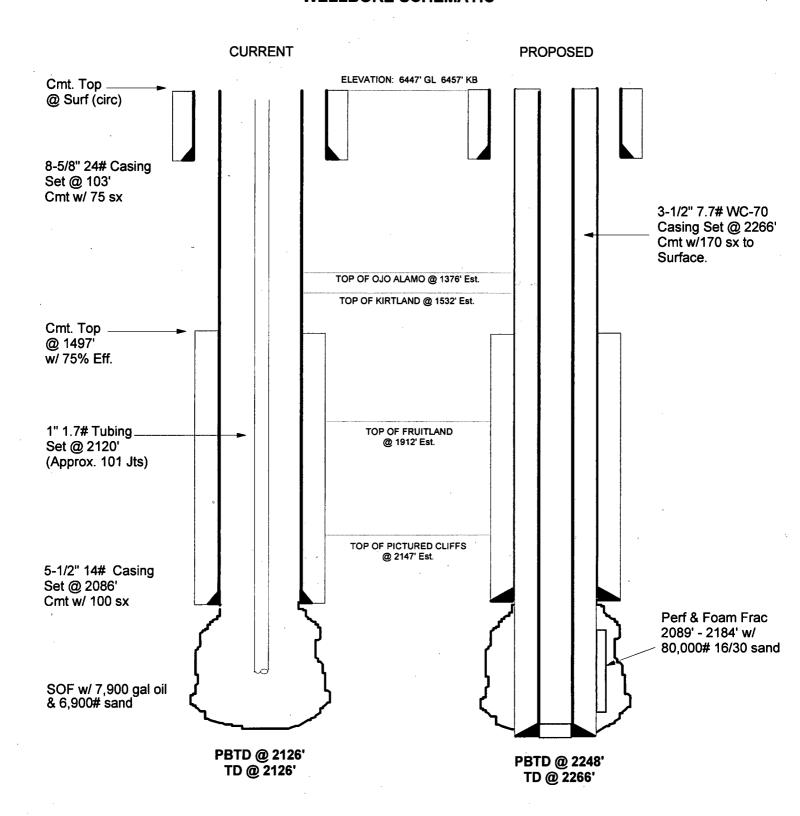
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#### Wilson A #2

#### Section 32K, T-26-N, R-8-W San Juan County, NM



COMPANY Benson & Montin

LEASE WILSON Well No. 2

SECTION 32 T 26N R8W NMPM

LOCATION 1650 From south line

1650 From west line

SAN JUAN CO	YTMU	NEW MEX
3	2	
- 1650 <del>-</del>		
0 60 0	·	

This is to certify that the above plat was prepared from field notes of actual surveys made by me faire true & correct to the best of my Knowledge & belief

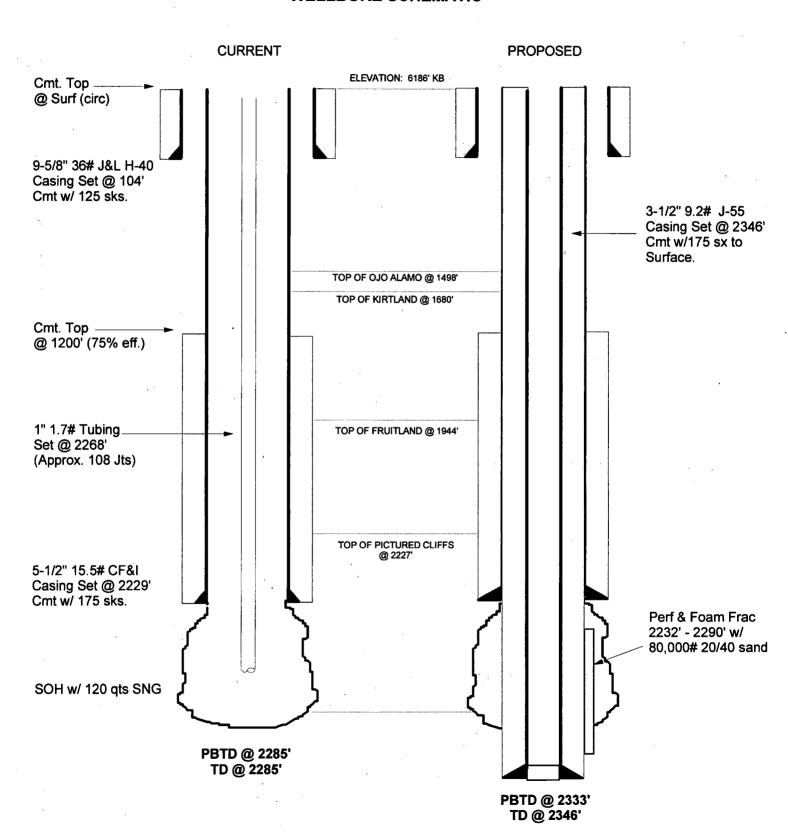
Robert L Moddox Jr.
Registered Professionat

Engineer & Land Surveyor, N Mex Reg No. 1426

### Luthy A #1

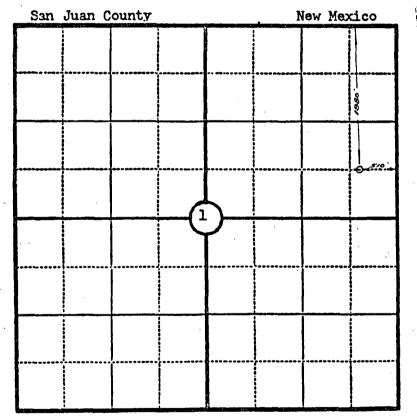
#### Section 1H, T-26-N, R-8-W San Juan County, NM

### SOUTH BLANCO PICTURED CLIFFS WELLBORE SCHEMATIC



Compa	ny Ralı	h E.	Davis.			
Lease	Suthe	- A	**********		Well No	****
	,			, <u>r 8 W.,</u>		

Location 1980! from the North line and 510! from the East line.



Scale-4 inches equal 1 mile.

This is to certify that the above plat was prepared from field notes of actual surveys made by me or under my supervision and that the same are true and correct to the best of my knowledge and belief.

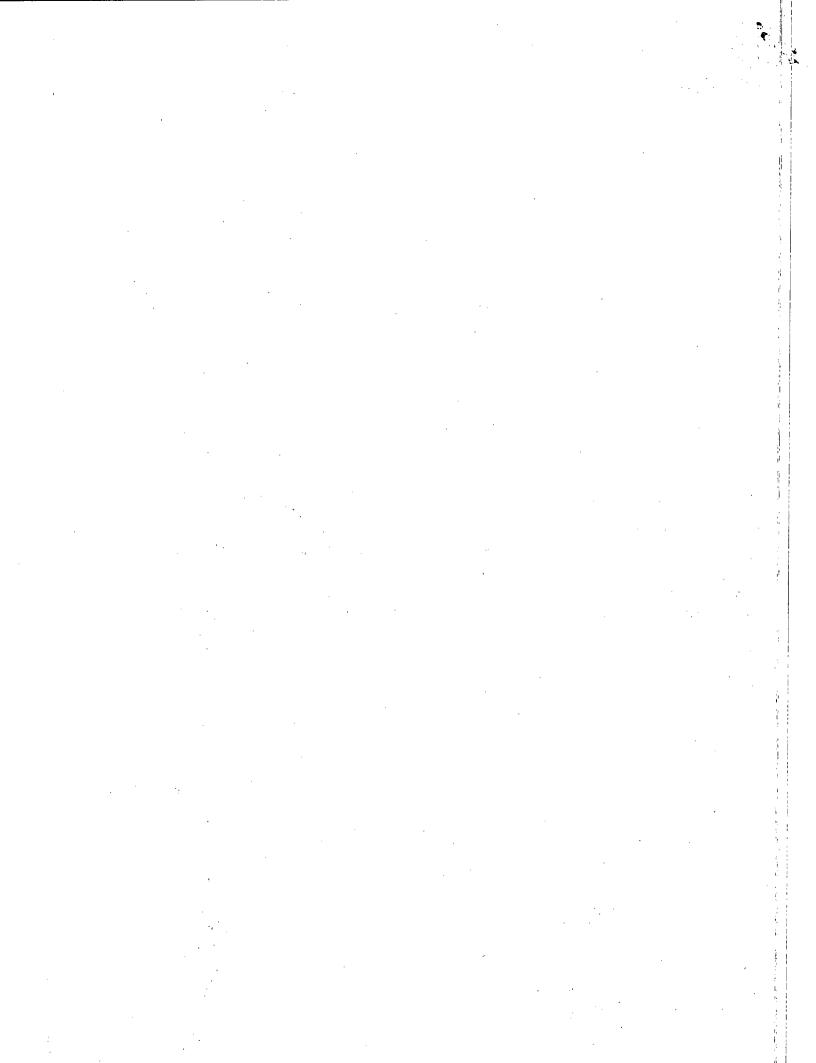
Euro V.

Seal:

Registered Professional
Engineer-and Land Surveyor.

Ernest V. Echohawk N. Mex. Reg. No. 1545

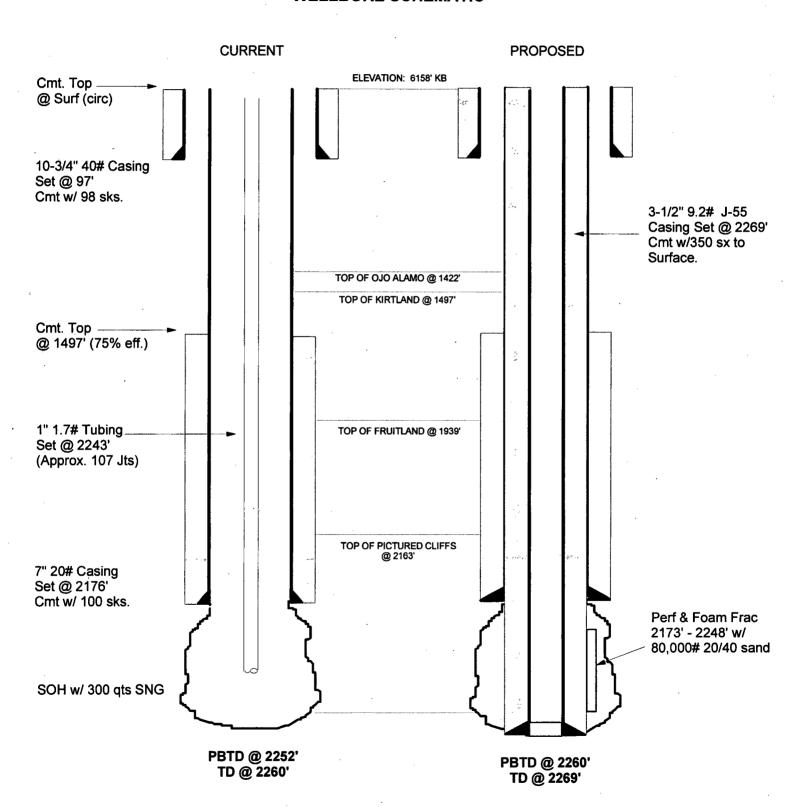
Surveyed December 1 , 19 53



### Luthy #2

#### Section 1K, T-26-N, R-8-W San Juan County, NM

# SOUTH BLANCO PICTURED CLIFFS WELLBORE SCHEMATIC

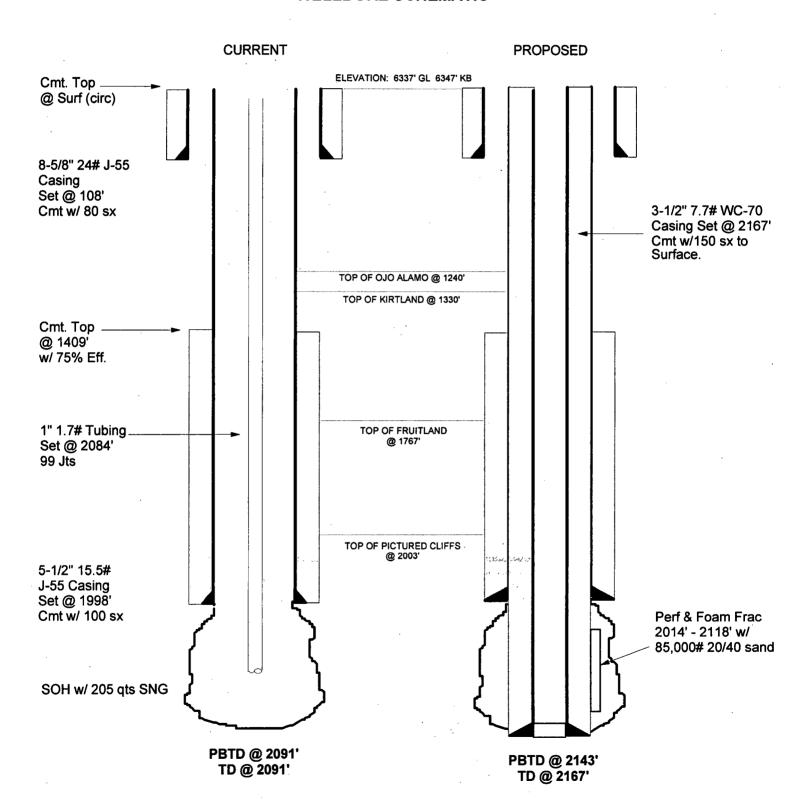




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Surveyed.		il (c)			, 192			

#### McManus #1

#### Section 30P, T-26-N, R-8-W San Juan County, NM



COMPANY. Benson Montin

LEASE- Mc Manus WELL #1

SECTION - 30 T 26N R8W/NMPM

LOCATION 871 from south line

931 from east line

San Juan County New Mexico.

San Ju	an	County	New	Mexic	ဂ,
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This is to certify that the above plat was prepared from field notes of actual surveys made by me and are true & correct to the best of my Knowledge & belief

Robert L Maddox Jr

Registered Professions

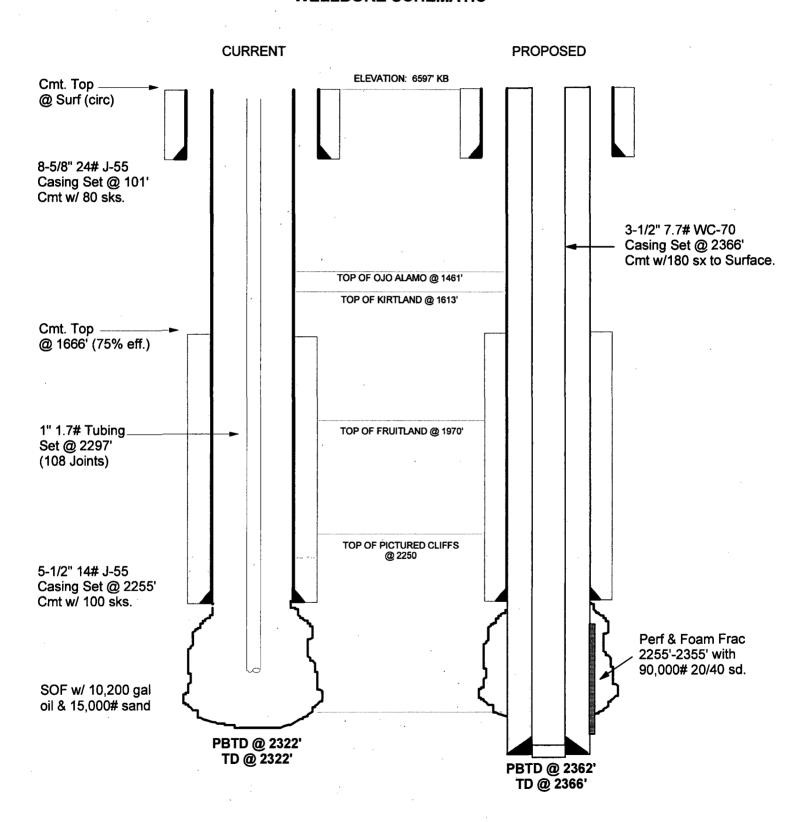
Engineer & Land Surveyor

N.M. Reg. No. 1426

Surveyed 4-4.54

#### McManus #9

#### Section 33M, T-26-N, R-8-W San Juan County, NM



### REQUEST FOR (OIL) - (GAS) ALLOWABLE

New Well Recompletion

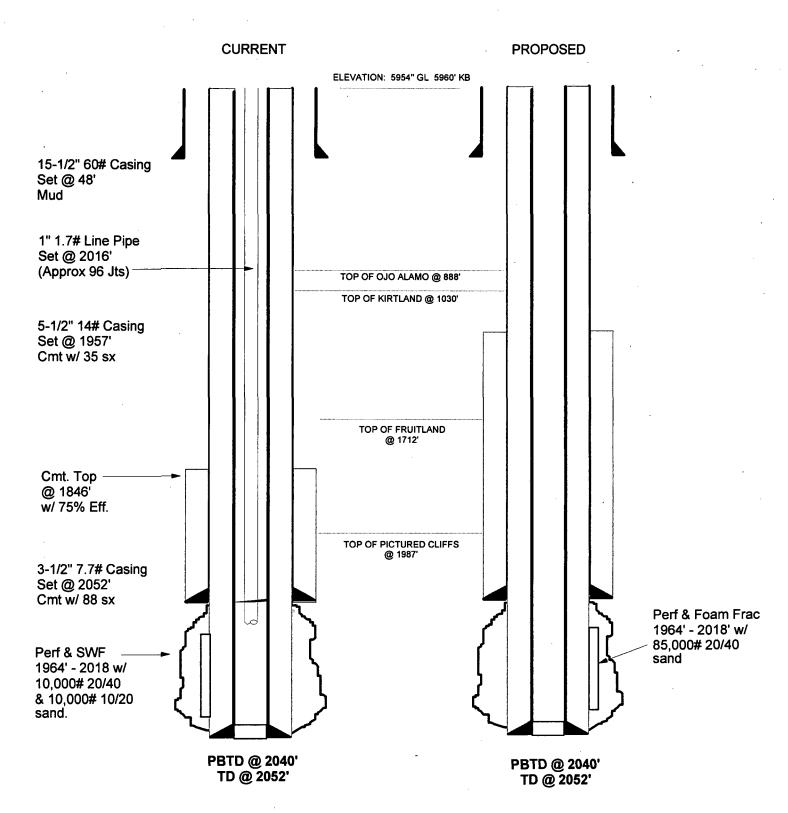
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		Paralugton, Hou		6-20-65
WE ARE HEREBY REQUESTIN	G AN ALLOWABLE FOR	(Place)	AS:	(Date)
(Company or Operator)	(Lease)	, Well No	in ## 1/4.	1/4,
Sec. Sec.	r and and the second	, NMPM.,	BALLAND PC	Pool
(Unit)				
Please indicate location:	County. Date Spudded		ate Completed	
	Elevation Control	Total Depth	P.B.	
	Top oil/gas pay	Name	of Prod. Form. Pleture	d Cilib
	Casing Perforations:			or
	Depth to Casing shoe	of Prod. String		
	Natural Prod. Test			BOPD
	based on	bbls. Oil in	HR	Mins
	Test after acid or shot.			BOPD
Casing and Comenting Record Size Feet Sax	Based on	bbls. Oil in		Mins.
Size Size Size Size Size Size Size Size	Gas Well Potential	7,696 MCF/day (	mourecles)	And the second
9-5/97 W.				
	Size choke in inches			
	Date first oil run to tar	iks or gas to Transmissi	on system: Assetting at	proved of
	Transporter taking Oil	or Gas: El Page II	Red Cores	
Remarks:				
The state of the s				
I hereby certify that the inform	nation given above is true a	and complete to the best	of my knowledge.	
nnmund	19	Art of the second secon		
		్ లోకాలుకు (C ్షైల్ శాహ్రం సౌకర్యమ్య	ompany or Operator)	
OIL CONSERVATION C	OMMISSION	Ву:	(Signature)	
By.		litle	id Superintendent	· · · · · · · · · · · · · · · · · · ·
Citle The Control of			unications regarding well	to:
	A STATE OF THE STA	Name 40514 N. B		The state of the state of

#### Newman A #6

#### Section 19J, T-28-N, R-10-W San Juan County, NM

## FULCHER KUTZ PICTURED CLIFFS WELLBORE SCHEMATIC



### EXICO OIL CONSERVATION COMMISS WELL LOCATION AND ACREAGE DEDICATION FRAT-

All distances must be from the outer boundaries of the Section ESOUTHLAND ROYALTY CO. Z Well No. Newman "A" Oil & Gas Company ) 6 Unit Letter Township Range 28N San Juan 104 Actual Footage Location of Well: 1644 South East feet from the line and feet from the Ground Level Elev. Producing Formation Pool Dedicated Acreage: Pictured Cliffs 160 Fulcher Kutz 5963 Acres 1. Outline the acreage dedicated to the subject well by colored pencil or hachure 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? If answer is "yes," type of consolidation 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 FEB 2 8 1978 best of my knowledge and belief. OIL CON. COM DIST. District Production PLEASE NOTE: This well re-surveyed in brder to Southland Royalty Company clear up a discrepancy in records (well drilled in 1948) February 27, 1978 Sec <u> 19</u> 16此。 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

2000

660

1320 1650

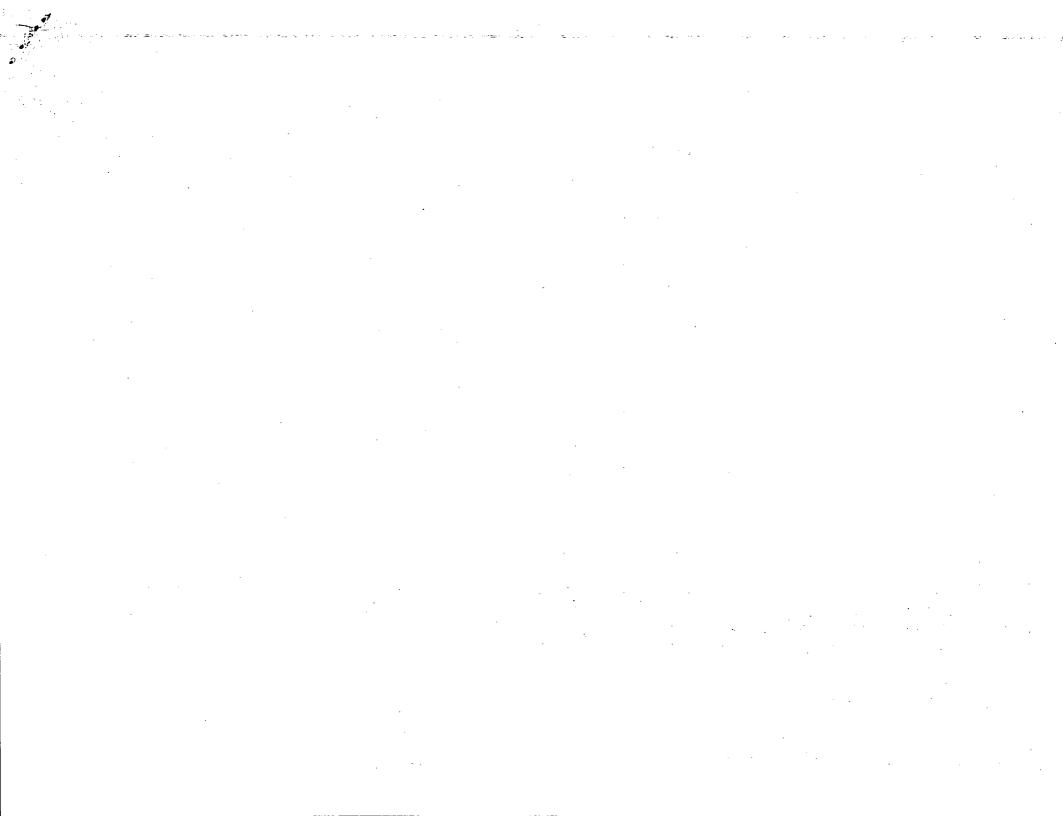
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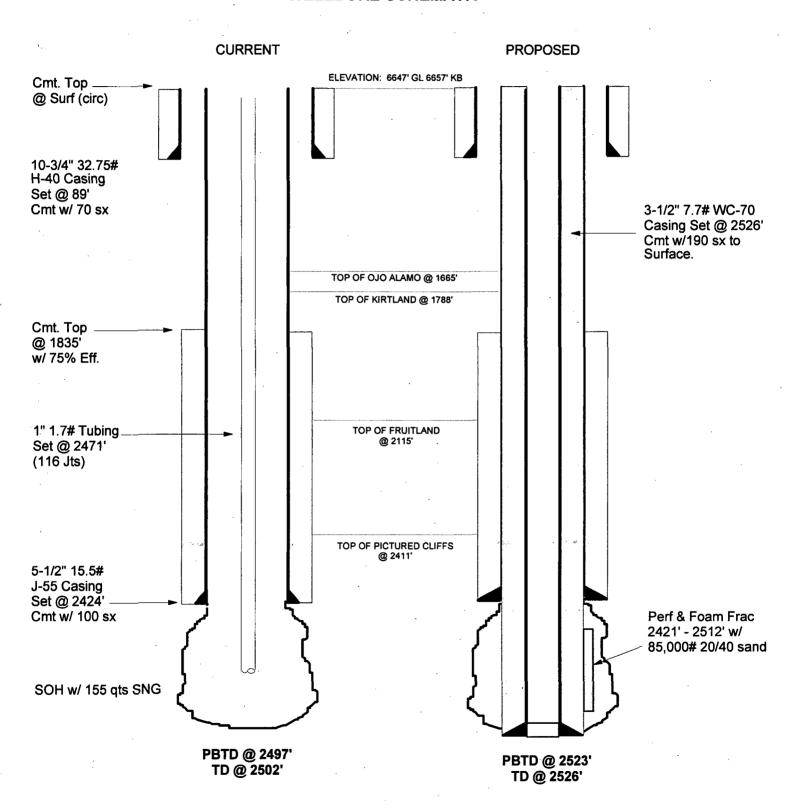
2 1978

DISTRICT



#### Quitzau #1

#### Section 3D, T-25-N, R-8-W San Juan County, NM



COMPANY Benson Montin LEASE - Quitzau Well 1 SECTION 3 T 25N RBW NMEM LOCATION - 960' from north line 866 from west Line

San Juan	County	New	Mexico
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<b>့</b>		• •	
1866-0			

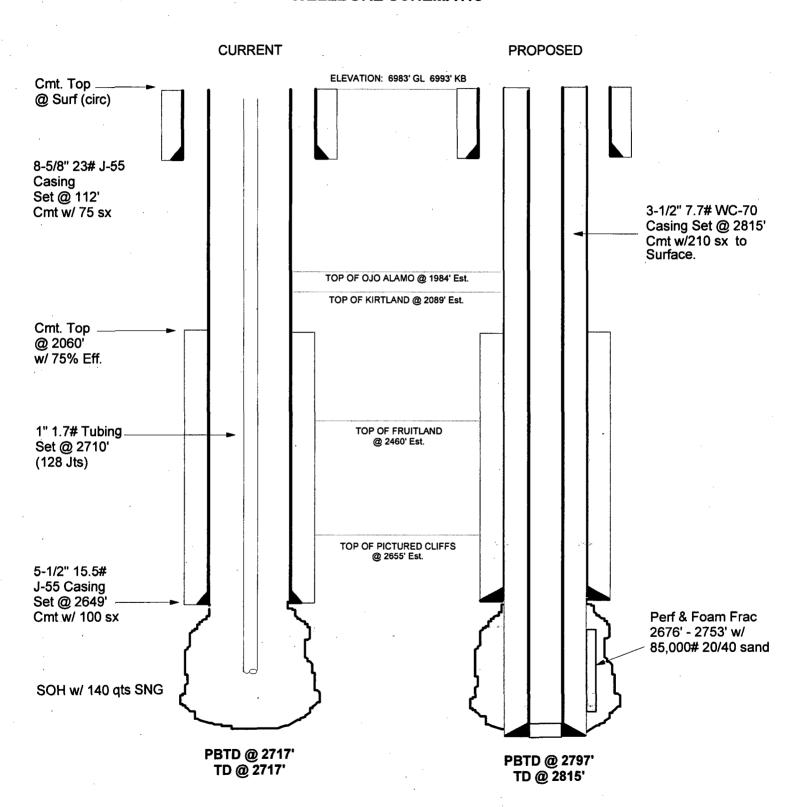
This is to certify that the above plat was prepared from field rates of actual surveys made to me and are truck correct to the best of my Knowledge & belief

Robert L Maddox Jr Registered Professional Engineer & Land Surveyor N. Mex Reg No 1426

Surveyed 4-11-54

#### Quitzau #2

#### Section 11F, T-25-N, R-8-W San Juan County, NM



Benson & Montin COMPANY. LEASE Quitzau Well No. 2 SECTION II T 25N R 8W NM PM LOCATION 1300 from north line 1300 from west line San Juan County New Mexico Moved location 217'59% to new spot 1514' FNL and 1336' FML of Section 11 Registered Professional Engineer New Mexico Reg. #881 This is to certify that the above plat was prepared from field notes of actual surveys made by me ? are true i correct to the best of my knowledge & belief Labert of madday & Robert L. Maddox it Registered Professional Engineer & Lond Surveyor

Surveyed 9-19-54 st

N.Mex. Reg. No. 1426