SUBMIT IN TRIPLICATE\*

FORM APPROVED

(May 1999)		-	(Other instructions on	OMB 1004-0136 Expires: May 31, 2000	
	UNITED STATES reverse side)				
	5. LEASE DESIGNATION AND SERIAL NO	).			
	U OF LAND MANA			NM-4452	
		F = 14	1	6. IF INDIAN, ALLOTTEE OR TRIBE NAM	E
APPLICATION FOR	PERMIT TO DRI	LL, DEEPEN, OF	R PLUG BACK		
14. TYPE OF WORK DRILL				7. UNIT AGREEMENT NAME	mill
·	<del>_</del>	And a second	$(t_1,t_2,\ldots,t_n) = \frac{1}{4}$		00 11
15 TYPE OF WELL				8. FARM OR LEASE NAME, WELL NO	
OIL OIL	X OTHER	SINGLE X	M UL TIPLE ZONE	Schalk 52 #6A	
2 NAME OF OPERATOR	<u> </u>			9. API WELL NO 30-039-26	756
/ Schalk Deve	lopment Company			30-037-26	
3 ADDRESS OF OPERATOR				10. FIELD AND POOL OR WILDCAT	
c/o Walsh Engineering, 7	415 E. Main St. Fai	rmington, NM 8740	02 (505) 327-4892		?
4. LOCATION OF WELL (Report loca	11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA				
At Surface 2480' FSL at		· ·			
At proposed Prod. Zone	L Sec. 24, T29N, R5W	V			
	nd 660' FWL		FC 2		
14. DISTANCE IN MILES AND DIRECTION		OST OFFICE R	2001	12. COUNTY OR PARISH	13. STATE
30 miles eas	t of Blanco, NM	(a)	CEIVED 3	Rio Arriba	NM
15. DISTANCE FROM PROPOSED* LOCA	ATION TO NEAREST PROPERTY	16. NO. OF CRES IN LEASE	ON. DIV	NO. OF ACRES ASSIGNED TO THIS WELL	
OR LEASE LINE, FT. (Also to nearest d 660' at BHL	rlg. unit line, if any)	548.	157 3 ST	N/2 274.21	
18 DISTANCE FROM PROPOSED LOCA	TION* TO NEAREST WELL	19. PROPOSED VERTH	20.	ROTARY OR CABLE TOOLS	
DRILLING, COMPLETED, OR APPLI	ED FOR ON THIS LEASE, FT.	5900	CORD REAL STREET	Rotary	
21. ELEVATIONS (Show whether DF, RT,	CP eta)			22. APPROX. DATE WORK WILL START	•
6545' GR	Jr., eu.)			August 1, 2001	
23.	PROPOSED CASI	NG AND CEMENTING	PROGRAM		
SIZE OF HOLE	GRADE, SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMEN	
12-1/4"	9-5/8"	36# J-55	200'	130 cu ft. Cl "B" w/ 3% Ca	
8-3/4"	7"	20# J-55	3875'	783 cu.ft. lead & 341 cu.ft.	
6-1/4"	4-1/2"	10.5#, J-55	3775' - 5995'	196 cu.ft. lead & 196 cu.ft.	taii

Schalk Development Company proposes to drill a directional well to develop the Blanco Mesa Verde formation at the above described location in accordance with the attached drilling and surface use plans.

This location has been archaeologically surveyed by La Plata Archealogical Service. Copies of their report are have been submitted directly to your office. LAC Report 2001-10a, CNF Report # 2001-02-08

The wellpad, access road, and pipeline will be located on Carson National Forest land. An on-site inspection was held with the Forset Service on 4/20/01.

This action is subject to technical and procedural review pursuant to 43 CFR 3165.3

DRILLING OPERATIONS AUTHOMIZED ARE

procedural review pursuant to 43 CFR 3185.3 and appeal pursuant to 43 CFR 3165.4.	SUBJECT TO COMPLIANCE WITH ATTACHED "GENERAL REQUIREMENTS".
IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen or pl  If proposal is to drill or deepen directionally, give pertinent data on subsurface locations a	lug back, give data on present productive zone and proposed new productive zone. and measured and true vertical depths. Give blowout preventer program, if any.
	TLE Paul Thompson, Agent DATE 5/7/01
(This space for Federal or State office use)  PERMIT NO  APPROVAL DA  Application approval does not warrant or certify that the applicant holds legal or equitable title to th	ATE 12/5/61 hose rights in the subject lease which would entitle the applicant to conduct operations thereon
APPROVED BY APPROVED BY APPROVED BY	ons On Reverse Side
Title 18 U.S.C. Section 1001, makes it a crime for any person knowing States any false, fictitious or fraudulent statements or representations	ingly and willfully to make to any department or agency of the United
HOLD C104 FOR DIV. SULVEY	4660

District I PO Box 1980, Hobbs, NM 88241-1980

District II PO Orawer DD. Antesia, NM 88211-0719

District III 1000 Rio Brazos Ad., Aztec. NM 87410

District IV PO 80x 2088, Santa Fe, NM 87504-2088

State of New Mexico Energy, Minerals & Natural Resources Depart

OIL CONSERVATION DIVISION PO Box 2088 Santa Fe, NM 87504-2088

Form C-102 Revised February 21, 1994 Instructions on back Submit to Appropriate District Office State Lease - 4 Copies Fee Lease - 3 Copies

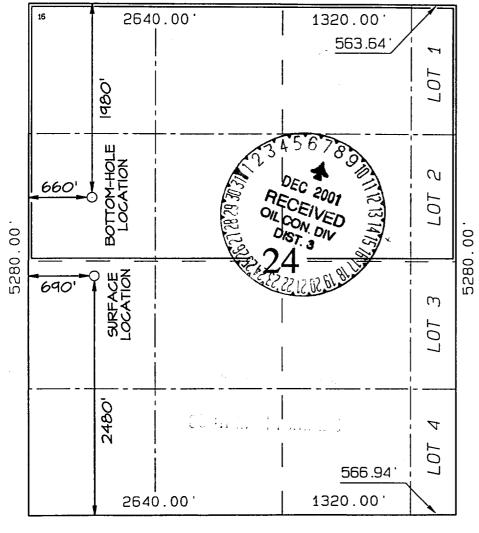
AMENDED REPORT

## WELL LOCATION AND ACREAGE DEDICATION PLAT

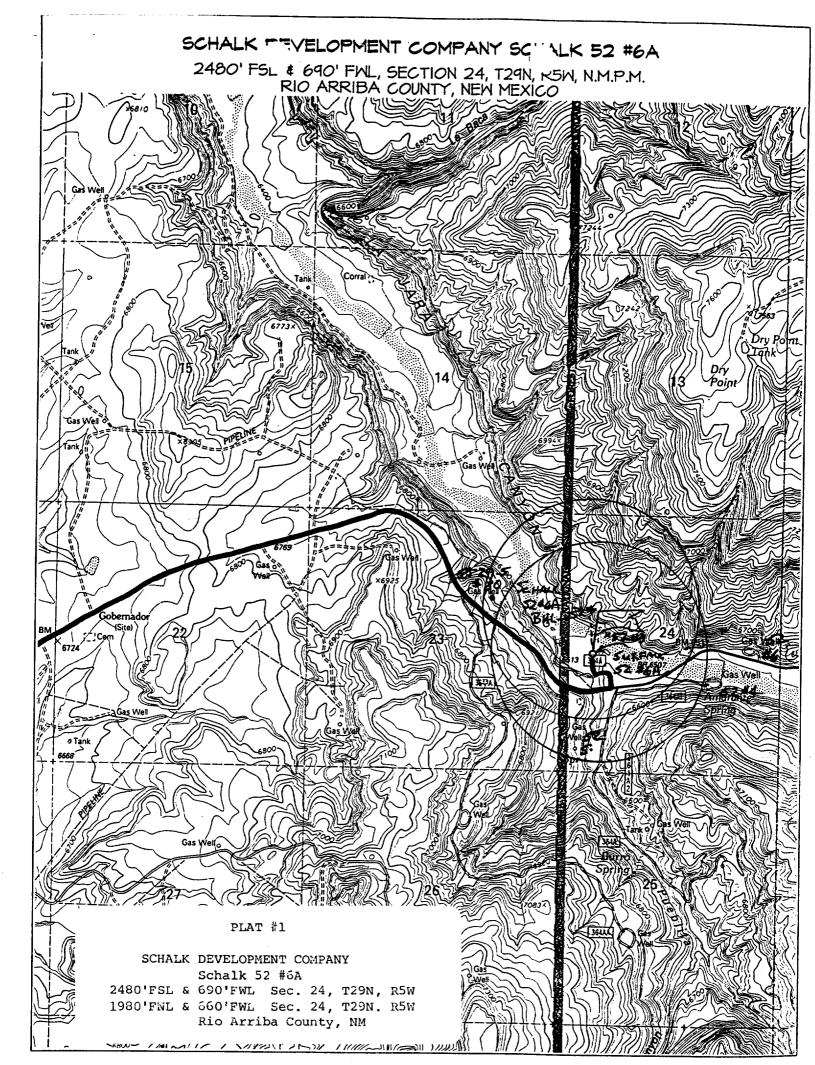
'API Number	*Pool Code	Pool Name		
30-039-2675E	72319	BLANCO MESAVERDE		
'Property Code _10037 /004/		roperty Name CHALK 52	*Well Number	
'OGRID No. 020389	•	perator Name ELOPMENT COMPANY	*Elevation 6495	
	10 Supf	ace Location		

Sol race Education						•			
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
L	24	29N	5W		2480	SOUTH	690	WEST	RIO ARRIBA
11 Bottom Hole Location If Different From Surface									
UL or lot no.	Section	Township	Range	Lat Idn	Feet from the	North/South line	Feet from the	East/West line	County
E	24	29N	5W		1980	NORTH	660	WEST	RIO ARRIBA
12 Dedicated Acres					<sup>13</sup> Joint or Infil	1 <sup>14</sup> Consolidation Code	<sup>15</sup> Order No.		
N/2	274.21				I				

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



"OPERATOR CERTIFICATION I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief
Paul C. Thomps -
Paul C. Thompson
Printed Name
Agent
Title
5/8/01
Date
<sup>18</sup> SURVEYOR CERTIFICATION 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 belief.
MARCH 29, 2001
Date of Survey ED
Signature and Sag Compression Serveyor
4
A WEY
THE WELL COS
NET CON S
W NET COS
Certificate Moderation 6857



Schalk 52 #6A Operations Plan Pg. #2

## C. Minimum Blowout Control Specifications:

Double ram type 2000 psi working pressure BOP with a rotating head. See the attached exhibits (#1 and #2) for details on the BOP equipment. All ram type preventers and related equipment will be hydraulically tested at nipple-up and after any use under pressure to 1500 psi.

The blind rams will be hydraulically activated and checked for operational readiness each time pipe is pulled out of the hole. All checks of the BOP stack and equipment will be noted on the daily drilling report. The BOP equipment will include a kelly cock, floor safety valve, and choke manifold all rated to 2000 psi.

## IV. Materials

A. Casing Program:

Hole Size	Depth	Casing Size	Wt. & Grade
12-1/4"	200'	9-5/8"	36# J-55
8-3/4"	3875′	7"	20# J-55
6-1/4"	3775' - 5995'	4-1/2"	10.5# J-55

- B. Float Equipment:
- a) Surface Casing: Notched collar and 3 centralizers on the bottom 3 collars.
- b) Intermediate Casing: Cement-nosed guide shoe and insert float collar on top of the bottom joint. Place one rigid centralizer every 120' starting at the float to the surface pipe shoe. Total of 31 spiral centralizers.
- c) Production Casing: 4-1/2" whirler type cement-nosed guide shoe and a latch collar on top of the shoe joint.

Schalk 52 #6A Operations Plan Pg. #3

## V. Cementing:

Surface casing: 9-5/8" - Use 110 sx (130 cu. ft.) of Cl "B" with 3% CaCl<sub>2</sub>, and ¼ #/sk. celloflake. (Yield = 1.18 cu. ft./sk; slurry weight = 15.6 PPG).100% excess to circulate cement to surface. WOC 12 hours. Pressure test surface casing to 1500 psi for 30 min.

Intermediate casing: 7" - Lead with 380 sx (783 cu. ft.) of Cl "B" 65/35 poz with 10% gel, 2% CaCl<sub>2</sub>, and ¼ #/sk. celloflake. Yield = 2.06 cu. ft./sk; slurry weight = 12.3 PPG). Tail with 235 sx (341 cu. ft.) of Cl "B" 50/50 poz with 4% gel, 0.4% fluid loss, 2% CaCl<sub>2</sub>, and ¼ #/sk. celloflake. Yield = 1.45 cu. ft./sk; slurry weight = 13.2 PPG). Total volume = 1124 cu.ft. Use 100% excess in lead and 75% excess in tail to circulate cement to surface. WOC 12 hours. Pressure test casing to 1500 psi for 30 min.

Production Casing: 4-1/2" - Before cementing circulate hole clean with air. Precede cement with 20 bbls of gel water and 10 bbls of water.

1st Stage: Lead with 135 sx (196 cu.ft) of Cl "B" 50/50 poz with 4% gel 0.4% fluid loss, and 2% CaCl2.Yield = 1.45 cu. ft./sk; slurry weight = 13.2 PPG); Tail with 135 sx (196 cu.ft.) of Cl "B" 50/50 poz with 4% gel, 0.4% fluid loss, 2% CaCl2, 4% phenoseal, and % #/sx celloflake (Yield = 1.45 cu. ft./sk; slurry weight = 13.2 PPG). Total cement volume is 406 cu.ft. 70% excess to circulate the liner top. Run temperature survey after 8 hours if cement is not circulated.

Paul C. Thompson, P.E.