		UUT.I.		MIT D U	X Y C & PT T &	Form approved.	
Form 9-331 C				ther in sti		Budget Bureau No. 42	
(May 1963)	IINITED	STATES		reverse alde	:)	30-015-2283	
	DEPARTMENT OF THE INTERIOR					5. LEASE DESIGNATION AND SERIAL N	
		AL SURVEY				NM 021029	
				PLUG RA	VCK	6. IF INDIAN, ALLOTTEE OR TRIB	
and the second	FOR PERMIT TO	DRILL, DLLI				The second se	
1a. TYPE OF WORK DRIL		deepen 🗌	P	LUG BACI	(□	7. UNIT AGREEMENT NAME	
b. TYPE OF WELL			SINGLE I	MULTIPL	° m	S. FARM OR LEASE NAME	
OIL CAS WELL WEI	LL X OTHER	· ·· · ·· · ··	ZONE	ZONE		Shell Federal Com	
2. NAME OF OPERATOR	1					9. WELL NO.	
DAVID FASKEN	/		ECE			4	
3. ADDRESS OF OPERATOR						10. FIELD AND POOL, OR WILDO	
608 First Nati	ional Bank Buildin port location clearly and in a		y State equire	pe1979	<u> </u>	Cemetery Morrow G	
At Bullace	Conc. c	Let 15	LCD 1	2	, 1	11. SEC., T., R., M., OB BLK. AND SURVEY OR AREA	
3300' FSL & 19	980'FEL Gran E M-21-C 1	D_2/1-F	0. 0	12.			
	Sec. 5, T-21-S, 1			DITION		C. 5, T-21-S, R-2	
14. DISTANCE IN MILES A	ND DIRECTION FROM NEAREST	TOWN OR POST OF	FICE				
14 miles Sout	hwest of Lakewood	. New Mexic	:0	IN VELOP	17 10	Eddy New	
15. DISTANCE FROM PROPOS LOCATION TO NEAREST	SED*	10.			TOT	HIS WELL	
PROPERTY OR LEASE LI (Also to pearest drig.	unit line, if any) 198	•	26.46 Com		320	RY OR CABLE TOOLS	
18. DISTANCE FROM PROPO	SED LOCATION*		PROPOSED DEP:	1.11	Rota		
OR APPLIED FOR, ON THE	S LEASE, FT. 100	0. 13			1000	22. APPROX. DATE WORK WIL	
21. ELEVATIONS (Show whe	ther DF, RT, GR, etc.)					January 23, 1979	
3748.8' GR		POSED CASING	AND OFMENT	ING PROGRA	 M		
23.	PRO					QUANTITY OF CEMENT	
SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT		NG DEPTH			
17-1/2"	13-3/8" 4	.8# H-	-40	400'		est 400 sx	
				20001	0:00		
12-1/4"	8-5/8" 2	24# & 32# K-		3000'		<u>est 1100 sx</u>	
	8-5/8" 2	24 <u># & 32</u> # K- 1.6 J-55 &		3000' 9900'	<u>Circ.</u> 775 s		
<u>12-1/4"</u> 7-7/8"	8-5/8" 2 4-1/2" 1	1.6 J-55 &	N-80	9900'			
$\frac{12-1/4"}{7-7/8"}$	8-5/8" 2 4-1/2" 1	1.6 J-55 &	N-80 Attachmen	9900' t #1	775 s	x	
<u>12-1/4"</u> 7-7/8" (1) Propo (2) The s	8-5/8" 2 4-1/2" 1 sed Drilling Pro- surface formation pated Tops - Queer	1.6 J-55 & gram - See J is the Que	N-80 N-80 Attachmen en gypsum	9900' t #1 of Perm	775 s	je	
	8-5/8" 2 4-1/2" 1 sed Drilling Proc surface formation ated Tops - Queer 3rd H	I.6 J-55 & is the Que one Spring	N-80 I Attachmen en gypsum 0 s 6650	9900' t #1 of Perm	775 s	je	
<u>12-1/4"</u> 7-7/8" (1) Propo (2) The s	8-5/8" 2 4-1/2" 1 surface formation nated Tops - Queer 3rd H Wolfd	I.6 J-55 & is the Que one Spring	N-80 Attachmen en gypsum 0 s 6650 7100	9900' t #1 of Perm	775 s	je	
<u>12-1/4"</u> 7-7/8" (1) Propo (2) The s	8-5/8" 2 4-1/2" 1 osed Drilling Proc surface formation nated Tops - Queer 3rd H Wolfd Cisco	II.6 J-55 & is the Que one Spring	N-80 Attachmen en gypsum 0 s 6650 7100 7830	9900' t #1 of Perm	775 s	RECEIVEL	
12-1/4" 7-7/8" (1) Propo (2) The s (3) Estim	8-5/8" 2 4-1/2" 1 sed Drilling Proc surface formation nated Tops - Queer 3rd H Wolfo Cisco	I.6 J-55 & gram - See J is the Que Sone Spring camp	N-80 N-80 Attachmen en gypsum 0 s 6650 7100 7830 9480	9900' t #1 of Perm	775 s ian Ag	RECEIVEL JAN 2 3 1970	
12-1/4" 7-7/8" (1) Propo (2) The s (3) Estin	8-5/8" 2 4-1/2" 1 sed Drilling Pro- surface formation hated Tops - Queer 3rd H Wolfo Cisco Morro Out Preventer Spe	I.6 J-55 & is the Que one Spring camp	N-80 N-80 Attachmen en gypsum 0 s 6650 7100 7830 9480 s - See A	9900' t #1 of Perm	775 s ian Ag	RECEIVER JAN 2 3 1979 U.S. GENNIG	
12-1/4" 7-7/8" (1) Propo (2) The s (3) Estim (4) Blow (5) No al	8-5/8" 2 4-1/2" 1 sed Drilling Pro- surface formation hated Tops - Queer 3rd H Wolfd Cisco Morro Out Preventer Spe	I.6 J-55 & is the Que one Spring camp	N-80 N-80 Attachmen en gypsum os 6650 7100 7830 9480 s - See A ipated	9900' t #1 of Perm	775 s ian Ag t #2	RECEIVER JAN 2 3 1979 U.S. GENNIG	
12-1/4" 7-7/8" (1) Propo (2) The s (3) Estin (4) Blow (5) No ak (6) Durat	8-5/8" 2 4-1/2" 1 osed Drilling Proc surface formation hated Tops - Queer 3rd H Wolfd Cisco Morro Out Preventer Spe pnormal pressure 2 tion of drilling of	I.6 J-55 & is the Que on Spring camp	N-80 N-80 Attachmen en gypsum 0 s 6650 7100 7830 9480 s - See A ipated estimated	9900' t #1 of Perm	775 s ian Ag t #2	RECEIVER JAN 2 3 1979 U.S. GENNIG	
12-1/4" 7-7/8" (1) Propo (2) The s (3) Estim (4) Blow (5) No ak (6) Durat	8-5/8" 2 4-1/2" 1 sed Drilling Pro- surface formation hated Tops - Queer 3rd H Wolfd Cisco Morro Out Preventer Spe	I.6 J-55 & is the Que on Spring camp	N-80 N-80 Attachmen en gypsum 0 s 6650 7100 7830 9480 s - See A ipated estimated	9900' t #1 of Perm	775 s ian Ag t #2	RECEIVEL JAN 2 3 1970	
12-1/4" 7-7/8" (1) Propo (2) The s (3) Estin (4) Blow (5) No ak (6) Durat	8-5/8" 2 4-1/2" 1 osed Drilling Proc surface formation hated Tops - Queer 3rd H Wolfd Cisco Morro Out Preventer Spe pnormal pressure 2 tion of drilling of	I.6 J-55 & is the Que on Spring camp	N-80 N-80 Attachmen en gypsum 0 s 6650 7100 7830 9480 s - See A ipated estimated	9900' t #1 of Perm	775 s ian Ag t #2	RECEIVER JAN 2 3 1979 U.S. GENNIG	
12-1/4" 7-7/8" (1) Propo (2) The s (3) Estim (4) Blow (5) No at (6) Durat (7) Acres	8-5/8" 2 4-1/2" 1 osed Drilling Program 1 surface formation 1 nated Tops - Queer 3rd H Wolfd 2 Cisco Morror Out Preventer Spector 2 onormal pressure 2 2 tion of drilling of age dedicated to of 3	I.6 J-55 & is the Que one Spring camp	N-80 N-80 Attachmen en gypsum 0 s 6650 7100 7830 9480 s - See A ipated estimated	9900' t #1 of Perm	775 s ian Ag t #2	RECEIVEL JAN 2 3 1979 U.S. GEULUGICAL SURVEY ARTESIA, NEW MEXICO	
12-1/4" 7-7/8" (1) Propo (2) The s (3) Estin (3) Estin (4) Blow (5) No ak (6) Durat (7) Acrea	8-5/8" 2 4-1/2" 1 osed Drilling Processor 1 osed Drilling Processor 1 osed Drilling Processor 2 out Tops - Queer 3 Wolfd 2 Cisco Morror Out Preventer Spector 3 tion of drilling of age dedicated to of 3	II.6 J-55 & is the Que on	N-80 N-80 Attachmen en gypsum 0 s 6650 7100 7830 9480 s - See A ipated estimated estimated	9900' t #1 of Perm	775 s ian Ag at #2	RECEIVEL JAN 2 3 1979 U.S. GEULUGICAL SURVEY ARTESIA, NEW MEXICO	
12-1/4" 7-7/8" (1) Propo (2) The s (3) Estin (4) Blow (5) No ak (6) Durat (7) Acrea	8-5/8" 2 4-1/2" 1 osed Drilling Processing 1 osed Drilling Processing 1 osed Drilling Processing 1 osed Drilling - Queer 3rd H Wolfd Cisco Morror 0 Out Preventer Spectromal pressure 2 1 tion of drilling of dege dedicated to of 1 Bage dedicated to of 1 or deepen directionally 1	II.6 J-55 & is the Que on	N-80 N-80 Attachmen en gypsum 0 s 6650 7100 7830 9480 s - See A ipated estimated estimated	9900' t #1 of Perm	775 s ian Ag at #2	RECEIVER JAN 2 3 1979 U.S. GENNIG	
12-1/4"7-7/8"(1) Propo(2) The s(3) Estin(4) Blow(5) No ak(6) Durat(7) AcreaIN ABOVE SPACE DESCRIBsone. If proposal is topreventer program, if and	8-5/8" 2 4-1/2" 1 osed Drilling Processing 1 osed Drilling Processing 1 osed Drilling Processing 1 osed Drilling - Queer 3rd H Wolfd Cisco Morror 0 Out Preventer Spectromal pressure 2 1 tion of drilling of dege dedicated to of 1 Bage dedicated to of 1 or deepen directionally 1	II.6 J-55 & is the Que on	N-80 N-80 Attachmen en gypsum 0 s 6650 7100 7830 9480 s - See A ipated estimated estimated	9900' t #1 of Perm	775 s ian Ag at #2	RECEIVEL JAN 2 3 1979 U.S. GEULUGICAL SURVEY ARTESIA, NEW MEXICO	
12-1/4" 7-7/8" (1) Propo (2) The s (3) Estin (4) Blow (5) No ak (6) Durat (7) Acrea	8-5/8" 2 4-1/2" 1 osed Drilling Processing 1 osed Drilling Processing 1 osed Drilling Processing 1 osed Drilling - Queer 3rd H Wolfd Cisco Morror 0 Out Preventer Spectromal pressure 2 1 tion of drilling of dege dedicated to of 1 Bage dedicated to of 1 or deepen directionally 1	II.6 J-55 & is the Que on	N-80 N-80 en gypsum os 6650 7100 7830 s - See A ipated estimated estimated t.	9900' t #1 of Perm httachmen d 40 days	775 s ian Ag at #2	RECEIVEL JAN 2 3 1979 U.S. GEULUGICAL SURVEY ARTESIA, NEW MEXICO	
12-1/4" 7-7/8" (1) Propo (2) The s (3) Estim (4) Blow (5) No ali (6) Durati (7) Acrea IN ABOVE SPACE DESCRIB stone. If proposal is to preventer program, if an 24.	8-5/8" 2 4-1/2" 1 osed Drilling Proc surface formation hated Tops - Queer 3rd H Wolfd Cisco Morro Out Preventer Spe bnormal pressure 2 tion of drilling of age dedicated to of drill or deepen directionally my.	II.6 J-55 & is the Que on	N-80 N-80 Attachmen en gypsum 0 s 6650 7100 7830 9480 s - See A ipated estimated estimated	9900' t #1 of Perm httachmen d 40 days	775 s ian Ag at #2	RECEIVEL JAN 2 3 1979 U.S. GEULUGICAL SURVEY ARTESIA, NEW MEXICO	
12-1/4" 7-7/8" (1) Propo (2) The s (3) Estim (4) Blow (5) No ali (6) Durati (7) Acrea IN ABOVE SPACE DESCRIB stone. If proposal is to preventer program, if an 24.	8-5/8" 2 4-1/2" 1 osed Drilling Processing 1 osed Drilling Processing 1 osed Drilling Processing 1 osed Drilling - Queer 3rd H Wolfd Cisco Morror 0 Out Preventer Spectromal pressure 2 1 tion of drilling of dege dedicated to of 1 Bage dedicated to of 1 or deepen directionally 1	II.6 J-55 & is the Que on	N-80 N-80 Attachmen en gypsum os 6650 7100 7830 7830 s - See A ipated estimated estimated t.	9900' t #1 of Perm httachmen 4 40 days give data on 1 nce locations a	775 s ian Ag at #2 s.	RECEIVEL JAN 2 3 1979 U.S. GEULUGICAL SURVEY ARTESIA, NEW MEXICO oductive zone and proposed new red and true vertical depths. G	
12-1/4" 7-7/8" (1) Propo (2) The s (3) Estim (4) Blow (5) No al (6) Durat (7) Acrea IN ABOVE SPACE DESCRIB zone. If proposal is to preventer program, if an 24. Successful Content of Proposal is to Free (This space for Fed	8-5/8" 2 4-1/2" 1 osed Drilling Proc surface formation hated Tops - Queer 3rd H Wolfd Cisco Morro Out Preventer Spe bnormal pressure 2 tion of drilling of age dedicated to of drill or deepen directionally my.	II.6 J-55 & is the Que on	N-80 N-80 Attachmen en gypsum os 6650 7100 7830 7830 s - See A ipated estimated estimated t.	9900' t #1 of Perm httachmen 4 40 days give data on 1 nce locations a	775 s ian Ag at #2 s.	RECEIVEL JAN 2 3 1979 U.S. GEULUGICAL SURVEY ARTESIA, NEW MEXICO oductive zone and proposed new red and true vertical depths. G	
12-1/4" 7-7/8" (1) Propo (2) The s (3) Estim (4) Blow (5) No ali (6) Durati (7) Acrea IN ABOVE SPACE DESCRIB stone. If proposal is to preventer program, if an 24.	8-5/8" 2 4-1/2" 1 osed Drilling Proc surface formation hated Tops - Queer 3rd H Wolfd Cisco Morro Out Preventer Spe bnormal pressure 2 tion of drilling of age dedicated to of drill or deepen directionally my.	II.6 J-55 & is the Que on	N-80 N-80 Attachmen en gypsum os 6650 7100 7830 7830 s - See A ipated estimated estimated t.	9900' t #1 of Perm httachmen d 40 days	775 s ian Ag at #2 s.	RECEIVEL JAN 2 3 1979 U. S. GEULUGICAL SURVEY ARTESIA, NEW MEXICO	
12-1/4" 7-7/8" (1) Propo (2) The s (3) Estim (4) Blow (5) No al (6) Durat (7) Acrea IN ABOVE SPACE DESCRIB sone. If proposal is to preventer program, if al 24. Stocker Jober R (This space for Fed PERMIT NO.	8-5/8" 2 4-1/2" 1 osed Drilling Proc surface formation hated Tops - Queer 3rd H Wolfd Cisco Morro Out Preventer Spe bnormal pressure 2 tion of drilling of age dedicated to of drill or deepen directionally my.	II.6 J-55 & is the Que on	N-80 N-80 Attachmen en gypsum 0 s 6650 7100 7830 9480 s - See A ipated estimated estimated t. Appeoval	9900' t #1 of Perm httachmen 4 40 days give data on 1 nce locations a	775 s ian Ag at #2 s.	RECEIVEL JAN 2 3 1979 U.S. GEULUGICAL SURVEY ARTESIA, NEW MEXICO oductive zone and proposed new red and true vertical depths. G	
12-1/4" 7-7/8" (1) Propo (2) The s (3) Estim (4) Blow (5) No al (6) Durat (7) Acrea IN ABOVE SPACE DESCRIB zone. If proposal is to preventer program, if an 24. Successful Content of Proposal is to Free (This space for Fed	8-5/8" 2 4-1/2" 1 osed Drilling Processing Surface formation 1 nated Tops - Queer 3rd H Wolfd Cisco Morro 0 Out Preventer Spectronal pressure 2 1 tion of drilling of age dedicated to of 1 Market H. Angeoline 1 Obert H. Angeoline 1 Iteral or State office (se) 1	pram - See i is the Que cone Spring camp	N-80 N-80 Attachmen en gypsum 0 s 6650 7100 7830 9480 s - See A ipated estimated estimated t. Appeoval	9900' t #1 of Perm httachmen 4 40 days give data on 1 nce locations a	775 s ian Ag at #2 s.	RECEIVEL JAN 2 3 1979 U. S. GEULUGICAL SURVEY ARTESIA, NEW MEXICO	



United States Department of the Interior

GEOLOGICAL SURVEY P. O. Drawer U Artesia, New Mexico 88210

FEB 1 3 1979

David Fasken 608 First National Bank Building Midland, Texas 79701

DAVID FASKEN
Shell Federal Com. No. 4
3300 FSL 1980 FEL Sec. 5, T21S, R24E
Eddy County Lease No. NM-021029
11.0/
Above Data Required on Well Sign

Gentlmen:

Your APPLICATION FOR PERMIT TO DRILL the above-described well to a depth of 9,900 feet to test the Morrow is hereby approved subject to compliance with the OIL AND GAS OPERATING REGULATIONS (30 CFR 221) and the following conditions:

- 1. Drilling operations authorized are subject to compliance with the attached General Requirements for Oil and Gas Operations on Federal Leases, dated July 1, 1978.
- 2. Prior to commencing construction of road, pad, or other associated developments, operator will provide the dirt contractor with a copy of the Surface Use Plan and these Conditions of Approval including the attached General Requirements.
- 3. Submit a Daily Report of Operations from spud date until the well is completed and the Well Completion Report (form 9-330) is filed. The report should be not less than 8" x 5" in size and each page should identify the well.
- 4. All permanent above-ground structures and equipment shall be painted in accordance with the attached Painting Guidelines. The color used should simulate sandstone brown (Federal Standard Color No. 595A, color 20318 or 30318).
- Before drilling below the 8-5/8" casing, the blowout preventer assembly will consist of a minimum of one annular type and two ram type preventers.
- 6. A kelly cock will be installed and maintained in operable condition.
- 7. After setting the 8-5/8" casing string and before drilling into the Wolfcamp formation, the blowout preventers and related control equipment shall be pressure tested to rated working pressures by an independent service company. Any equipment failing to test satisfactorily shall be repaired or replaced. This office should be notified in sufficient time for a representative to witness the tests and shall be furnished a copy of the pressure test report.



- 8. Mud system monitoring equipment, with derrick floor indicators and visual and audio alarms, shall be installed and operating before drilling into the Wolfcamp formation and used until production casing is run and cemented. Monitoring equipment shall consist of the following:
 - (1) A recording pit level indicator to determine pit volume gains and losses.
 - (2) A mud volume measuring device for accurately determining mud volume necessary to fill the hole on trips.
 - (3) A flow sensor on the flow-line to warn of any abnormal mud returns from the well.
- Notify the Survey in sufficient time to witness the cementing of the 8-5/8" casing.
- 10. Cement behind the 13-3/8" and 8-5/8" casing must be circulated.

Sincerely yours,

(Orig. Sgd.) ALBERT R. STALL

Albert R. Stall Acting District Engineer

. . . .

MEXICO OIL CONSERVATION COMMIS. WELL LOCATION AND ACREAGE DEDICATION PLAT

_

David Fasken Shell Fed. Com. 4 hit Letter Section Township Range County O 5 21 South 24 East Eddy ctual Footage Location of Well: 3300 feet from the South 1930		All distances n		he outer boundaries	of the Section.		
Direction Section Towards Page Edgy 0 5 200 Minima Exact Find and Page Edgy 3300 test train the South 10 are into an into South Positions East train the East Descinces Arrester 3742.8 Morrow Cemetery Morrow Gas Descinces Arrester 320 are 1. Outline the acreage dedicated to the subject well by colored pencil or hackure marks on the plat below. 2. If more than one lease is dedic CHARAS 3-10-70 are and and identify the ownership thereof (both as to work) interest and royalty). 3. If more than one lease of different or ANNS 3-10-70 are and and identify the ownership thereof (both as to work) interest and royalty. U.S. BULUGUAL SUPEY Were in the interest of all owners and tract descriptions which have actually been consolidated. (Use reverse side this form if necessary.) U.S. UN If answer i ARTESIA, 4EW ATEXIOQUIDAL SUPEY No allowable will be assigned to the well until all interests have been consolidated (by communitization, unitication forced-pooling, or otherwise) or until a non-standard unit, eliminating such interests, has been approved by the Communitic forced-pooling, or otherwise) or until a non-standard unit, eliminating such interests, has been approved by the Communitic at the areal basis of my backedge and basis of the areal formers 160 Acres U.S. U.S.	David Fasken	Lea	Shell Fed. Com.				
Low are then the life South Item and 1930 Item toom the East Item and 1930 3300 Producing Formation Post Orthogo Orthogo Item and 1930 3742.8 Morrow Cemetery Morrow Gas Orthogo 320_no 1. Outline the acreage dedicated to the subject well by colored pencil or bachure marks on the plat below. 1 Item and royalty). 2. If more than one lease is dedic provide the subject well by colored pencil or bachure marks on the plat below. 1 Item and royalty). 3. If more than one lease of different or ANNB 381876 acted to the well, have the interests of all owners been consolidated by communitization. force-pooling. etc? Item and royalty). 3. If more than one lease of different or ANNB 381876 acted to the well, have the interests of all owners been consolidated by communitization. force-pooling. etc? Item and royalty). 3. If more than one lease and tract descriptions which have actually been consolidated. (Use reverse side this form in necessary). No allowable will be assigned to the well until all interests have been consolidated by communitization. untilization for therwise) or until a non-standard unit, climinating such interests, has been approved by the Communition or therwise) or until a non-standard unit, climinating such interests, has been approved by the Communition or therwise) or until a non-standard unit, climinating such interests, has been approved by the Communition or therwise or therwise or the beart of therest declet the well facet there of therwise or			· · • • •	Range	County		
3300 Low then the South formation 1920 Less them may East them may East them may East them may East Average dedicated to the subject well by colored pencil or hackare marks on the plat below. 2. If more than one lease is dedic CONTRACT AVERAGE and reacting the tend of the subject well by colored pencil or hackare marks on the plat below. 2. If more than one lease of different or ANN B 31870 stated to the well, have the interests of all owners been consolidated by communitization, unitization, force-pooling, etc? 1.5. EduLUSIONAL SURVEY Street in the cases of different or ANN B 31870 stated to the well, have the interests of all owners been consolidated by communitization, unitization, force-pooling, etc? 1.5. EduLUSIONAL SURVEY No If answer in "no," list the owners and tract descriptions which have actually been consolidated. (Use reverse side this form if necessary). No If owners in "no," list the owners and tract descriptions which have actually been consolidated. (Use reverse side this form if necessary). No If owners in "no," list the owners and tract descriptions which have actually been consolidated. (Use reverse side this form if necessary). No If owners is interesting of the well until all interests have been consolidated (by communitization, unitization, initization, in	Ctual Footage Location of Well:	21.30	Urn	Z4 East	Eddy		
3742.8 Morrow Cemetery Morrow Gas 320 and 1. Outline the acreage dedicated to the subject well by colored pencil or hachure marks on the plat below. 1. 2. If more than one lease is dedic CELIVE profile each and identify the ownership thereof (both as to work) interest and royalty). 3. If more than one lease of different or ANNO 3-1876-Casted to the well, have the interests of all owners been consolidated by communitization, unitization, force-pooling, etc? W. Yes No If answer is "no." list the owners and tract descriptions which have actually been consolidated. (Use reverse side this form in creases). No allowable will be assigned to the well until all interests have been cossolidated (by communitization, unitization force-pooling, or otherwise) or until a non-standard unit, eliminating such interests, has been approved by the Communition. NM 0207958 NM 021029 160 Acres 1 U. S. U. S. U. S. U. S	3300 feet from the		ine and 19	30	teet from the East	· ·	line
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 dedic RECENTROM each and identify the ownership thereof (both as to work interest and royalty). 3. If more than one lease of different or ANNE 3-18-76 acted to the well, have the interests of all owners been consolidated by communitization. Unititation. Force-pooling, etc? U.S. BioLUBIGAL SURVEY (I) Yes No If answer iARTESIA, WEW MEXIOD lidation Communitized - All Of Section #5 If answer is "no!" list the owners and tract descriptions which have actually been consolidated. (Use reverse side this form if necessary.) No allowable will be assigned to the well until all interests have been consolidated (by communitization, unitization force-pooling, or otherwise) or unil a non-standard unit, eliminating such interests, has been approved the communitization. SHELL MONSANTO NM 021029 160 Acres U.S. I Annay 15, 1979 I hereby certify that the well lacet i the owner and the formation constrained on the formation constrained on the formation constrained to the set of non-standard unit. I hereby certify that the information constrained to the set of the owner is true and complete to be set of my knowledge and beint. Is true and complete to be set of my knowledge and beint is true and complete to be set of my knowledge and beint. Is true and complete to be set of my knowledge and beint. Is true and complete to be set of my knowledge and beint. Is true and complete to be set of my knowledge and beint. Is true and complete to be set of my knowledge and beint. Is true and complete to be set of my knowledge and beint. Is true and complete to be set of my knowledge and beint. Is true and complete to be set of my knowledge and beint. Is there and the and the anti a set of the set of	0710 0	-	Poo			Ded	
2. If more than one lease is dedic CLETENERS and identify the ownership thereof (both as to work interest and royalty). 3. If more than one lease of different or ANHB 3s1970bated to the well, have the interests of all owners been conso dated by communitization, force-pooling, etc? U.S. bitCLEGIAL SURVEY © Yes □ No If snawer iARESHA, NEW MEXHODIIdation Communitized - All Of Section #5 If answer is "no" list the owners and tract descriptions which have actually been consolidated. (I'se reverse side this form if necessary.) No allowable will be assigned to the well until all interests have been consolidated (by communitization, unitizatio forced-pooling, or otherwise) or until a non-standard unit, eliminating such interests, has been approved by the Comm sion. SHELL NM 0207958 NM 021029 If answer is 'no'' list the information of the set of memory into and state of memory into a state			· · · · · · · · · · · · · · · · · · ·			·····	
K Yes No If answer i ARTESHA, theW diffExtOQ lidation Communitized - All Of Section #5 If answer is "no." list the owners and tract descriptions which have actually been consolidated. (Use reverse side this form if necessary.) No allowable will be assigned to the well until all interests have been consolidated (by communitization, untit/attic forced-pooling, or otherwise) or until a non-standard unit, eliminating such interests, has been approved by the Comm sion. SHELL MONSANTO NM 0207958 NM 021029 If answer is first formed proved by the communitization, untit/attic forced-pooling, or otherwise) or until a non-standard unit, eliminating such interests, has been approved by the Comm sion. SHELL MONSANTO NM 0207958 NM 021029 If answer is first for the information or been of my knowledge and belief NM 0207958 NM 021029 If answer is first for the verify that the information or been of my knowledge and belief If an average is the information or the postoon is postoon in the postoon is postoon in the postoon approved by the comm of the postoon approved by the common interest is actual surveys made by ne water of the best of the information or is true and correct to the best of the newledge and belief. If an average is a struct surveys If an average is a struct surveys If a surveysed If an average is a struct surveys If a surveysed If an average is a strue and correct to the b	interest and royalty). 3. If more than one lease	of different outAN	1 B 3=1 8 79	cated to the wel			
SHELL MONSANTO NM 0207958 NM 021029 I hereby certify that the information contrained herein is true and complete to the best of my knowledge and belief. I hereby certify that the information contrained herein is true and complete to the best of my knowledge and belief. I hereby certify that the information contrained herein is true and complete to the best of my knowledge and belief. I hereby certify that the information contrained herein is true and complete to the best of my knowledge and belief. I hereby certify that the information contrained herein is true and complete to the best of my knowledge and belief. I hereby certify that the information contrained herein is true and complete to the best of my knowledge and belief. I hereby certify that the well location here in the set of mode my supervision, and that the certify that the best of mode my supervision, and that the certify that the best of my knowledge and belief. I hereby certify that the best of my knowledge and belief. I hereby certify that the test of mode my supervision, and that the certify that the test of mode my supervision, and that the certify that the test of mode my supervision. I hereby certify that the best of my knowledge and belief. I hereby certify that the test of my knowledge and belief. I hereby certify that the test of my knowledge and belief. I hereby certify that the test of my knowledge and belief. I hereby certify that the test of my knowledge and belief.	X Yes No If answer is "no," list this form if necessary.) No allowable will be ass forced-pooling, or otherw	U.S. GEUL If answer i ARNESIA, the owners and trac igned to the well up	UGICAL SUA (NEW (NEX) (t descripti ntil all inte	RVEY GOlidation <u>CO</u> ons which have crests have been	actually been co consolidated (onsolidated. by communi	(Use reverse side tization, unitization
NM 0207958 NM 021029 I hereby certify that the information of tailed here in is true and complete to the best of my knowledge and belief. Intervention Intervention Intervention Intervention Intervention Interv				e		CE	RTIFICATION
A 160 Acres 150 Acres 160 Acres 17.5. 18. 19.5. 19.5. 19.5. 19.5. 19.5. 19.5. 19.6. 10.5. 11.5. 11.5. 12.5. 13.6. 14.5. 15.7. 16.7. 17.7. 18.7. 19.7. 19.7. 10.7. 10.7. 10.7. 10.7. 10.7. 10.7. 10.7.	F-				,	ained herein 1	s true and complete to th
160 Acres U. S. U. S. U. S. U. S. Company Henry Engineering Date January 15, 1979 I hereby certify that the well locati shown on this plat was platted from the notes of actual surveys mode by me under my supervision, and that the soil is true and correct to the best of r knowledge and belief. Date Surveyed January 13, 1979 Begistered Professional Engineer			, 	 		Robert H.	Angevine
160 Acres 160 Acres U. S. U. S. I I <			4				
U. S. U. S. U. S. U. S. U. S. I hereby certify that the well locati shown on this plat was plotted from the notes of actual surveys made by me under my supervision, and that the soil is true and correct to the best of r knowledge and belief. Date Surveyed January 15, 1979 Date Surveyed January 10, 1979 Registered Professional Engineer	160 Nomes			Γ ¹⁹⁸⁰ ····			ineering
U. S. U. S. I hernby certify that the well locati shown on this plat was plotted from free notes of actual surveys made by me under my supervision, and that the sai is true and correct to the best of r knowledge and belief. Date Surveyed January 10, 1979 Registered Professional Engineer	1		÷ .	1			5 1070
shown on this plat was plotted from free notes of actual surveys made by me under my supervision, and that the sort is true and correct to the best of r knowledge and belief. Date Surveyed January 10, 1979 Registered Professional Engineer	U. <u></u> S.		i i	U. Ş.			5, 1575
Date Surveyed January 10, 1979 Registered Professional Engineer	STATE OF	SURV.				hown on this p otes of actua inder my super s true and co	lat was plotied from fiel surveys made by me o vision, and that the som wrect to the best of m
	TA MEXIC	No.	:		Jo	Inuary 10,	sional Engineer
Certificate No. John W. West	WW.WES		، : ط		and	or Land Surve	ivor

SECOMMENDED DRILLING & COMPLETI. PROCEDURE

A.F.E. NO. 424

David Fasken ----- SHELL FEDERAL COMM. NO. 4 ---- Cemetery Morrow Field Eddv County, New Mexico

- 1. Drill 17-1/2" hole to 400' with spud mud.
- 2. Set 13-3/8" casing at 400', cement to surface and install 12" x 3000 PSI W.P. casinghead and B.O.P. stack. (Est. 250 sx Class "C" w/2% CaCl.)
- 3. Drill 12-1/4" hole with water from 400' to 3000', control seepage with paper. Dry drill if complete loss of returns is experienced.
- Load hole with 34 sec. viscosity mud at 3000', if hole is showing severe seepage, otherwise run casing with water in hole.
- 5. Set and cement 8-5/8" casing at 3000' with sufficient cement to circulate. (Estimate 900 sxs. Halliburton Lite, 1/2# Flocele, slurry wt. 12.8#/gal. + 200 sxs. Incor Neat with 2% CaCl, slurry wt. 14.8#/gal.). W.O.C. 24 hrs. Install 12" 3000 PSI W.P. X 10" 3000 PSI W.P. spool with secondary seal and bit guide, choke manifold, B.O.P., and Hydril.
- 6. Test casing, casing spool, B.O.P., and choke manifold to 3000 psig with Yellow Jacket. Install P.V.T. equipment and flow sensor at nipple up or before 7500' is reached.
- 7. Drill 7-7/8" hole to a total depth of 9900' using water to drill to 6500', use 4% KCl brine to 9400', mud up with polymer starch mud with 8.7#/gal., 45 sec. viscosity, 10 cc water loss. At 9400' increase viscosity as necessary to maintain hole to total depth.
- 8. Drill stem test all shows.
- 9. Run logs (Combination CNL-FDC w/Gamma Ray, DLL, and Dip Meter.)
- 10. Set and cement 4-1/2" oil string (resin coated and centralized through pay zone) with 775 sxs. Class "H" cement with 5.4# KCl and 0.8% Halad-22. Pump plug down with 5% KCl packer fluid. Run temperature survey to locate cement top.
- 11. Install 10" 3000 PSI W.P. X 6" 3000 PSI W.P. tubinghead and Christmas Tree.
- 12. Move out rotary rig and move in pulling unit.
- 13. Pressure test casing and head to 3000 psig.

14. Install B.O.P.

- 1 -

JBH:1-9-79

HENRY ENGINEERING

Recommended Drilling and Completion Procedure A.F.E. No. 424 Shell Federal Comm. No. 4

15. Run tubing, 2-3/8" EUE AB modified, and packer.

16. Swab well down.

17. Control pressure, perforate with "thru-tubing" perforating gun.

- 2 -

L

18. Production test well.

{*.*~

19. Stimulate well as necessary.

20. Clean up treating fluid.

21. Flow test well.

22. Run C.A.O.F.P. and pressure build up.

23. Connect surface equipment.

HENRY ENGINEERING



MULTIPOINT SURFACE USE AND OPERATIONS PLAN

for

DAVID FASKEN

Shell Federal Comm. No. 4

1980' FEL, 3300' FSL Sec. 5, T-21-S, R-26-E, NMPM

EDDY COUNTY, NEW MEXICO

RECENEE U.S. U.S. HER LEAN

- 1. Existing Roads. The attached plat of a portion of the FOSTER RANCH NEW MEXICO quadrangle sheet shows all existing roads in the Cemetery Morrow Field in the area of these proposed wells. Existing lease roads used will be maintained by blading and watering as necessary.
- Planned Access Roads. The attached plat referenced in Item 1 shows the planned new access road as a single dashed line highlighted in red. The footage of new to Shell Federal Comm. No. 4 is 700 ft. The road bed will follow the surface contour and no cut or fill is anticipated.

The road bed will be 12' in width. Due to the short lengths of new road, no turnouts are planned. No fences will be cut, and no cattleguards are required.

- 3. Location of Existing Wells. Existing wells are shown on the attached plat.
- 4. Location of tank batteries, production facilities, etc. The gas line operated by David Fasken connecting the Ross Federal No. 1 to the N.G.P.L. System at Shell Federal No. 1 is shown on the attached plat - highlighted in yellow. All condensate tanks, separating equipment, dehydrators, and gas meters are located on the well pads. It is anticapated that a new gas gathering system will be constructed to the successful wells, however, this cannot be planned until (1) production is established, and (2) negotiations between producer and purchaser are completed.
- 5. Location and type of water supply, etc. Windmills and springs are shown on the attached plat. The source of drilling water will be from a private well on fee land in the SE - 1/4 of Section 32, T-20-S, R-25-E, NMPM. Temporary lines on the surface will be laid to each proposed well.
- 6. Source of construction materials. Road surfacing caliche will be supplied from existing pits on Federal Lands in the SW-1/4 of Section 5 and the SW-1/4 of Section 4, T-21-S, R-24-E, NMPM as shown on the attached plat by purple triangles.

-1-

HENRY ENGINEERING-

7. Methods for handling waste disposal. Cuttings from the well bore will be contained in conventional earth reserve pits. The top soil will be used in the pit walls and used to cover the pits after they have been dried and leveled.

Garbage will be burned in a burner pit dug in the reserve pit excavation in an area cleared of all flammable vegetation and materials.

The only salts and chemicals anticipated to be used will be in the drilling mud and will be buried after the mud in the reserve pit with the cuttings has dried.

Sewage will be disposed of into a temporary septic tank dug at the rig trailer house. This will be filled with dirt, covered with top soil and leveled at the completion of the well.

Drilling fluids will be allowed to dry in the reserve pits and will be buried with the cuttings and backfilled with top soil.

Produced oil and water will be contained in test tanks and the oil trucked to the nearest pipeline and the water hauled by transport truck to the nearest commercial disposal well and injected therein.

- 8. Ancillary facilities. None are planned.
- 9. Well site layout. See attached plat.
- 10. Restoration of the Surface. The location will be reshaped to the original contour of the surface except for the area needed to service the well. Unnecessary pad and roadway will be "ripped" to help with recovery of natural plants.

START: 60 Days after completion of well. END: 120 Days after completion of well.

11. Other information. All lands are Federal ownership for roads and locations administered by the Bureau of Land Management and utilized for cattle grazing by the Richard Howell, et al Ranch.

The land is a gypsum soil sparsely vegetated with grease wood, grass, spanish dagger and mesquite scrub. The U.S. Soil Conservation Service describes this soil officially as Reeves Gypsum land complex and Gypsum land cottonwood complex with zero to 3° slopes.

- 2 -

There are no geologic or geographic hazards and the land has been checked and found devoid of archeological sites (see special report by New Mexico Archaeology Service, Inc. forwarded to your office.)

12. Operator's representative.

James B. Henry, Agent for David Fasken Henry Engineering 807 First National Bank Building Midland, Texas 79701

Business Phone: 1-915-683-1893 Home Phone: 1-915-694-0137

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 plan are, to the best of my knowledge, true and correct; and, that the work associated with the operators proposed herein will be performed by David Fasken and his contractors and sub-contractors in conformity with this plan and the terms and conditions under which it is approved.

January 16, 1979

ames B. Henry Agent for David Fasken





HENRY ENGINEERING

SUBJECT. BLOWOUT PREVENTER

STACK

File; _____

ENGINEERING MEMORANDUM

